



# GREST 31x31 CANTÁBRICO POL ADZ

## CARACTERÍSTICAS TÉCNICAS

TEST DATA -  
CARACTÉRISTIQUES TECHNIQUES -

|    | <table><tr><th colspan="3">UNE EN ISO 10545 (13)</th></tr><tr><td>RESISTENCIA A LOS AGENTES QUÍMICOS</td><td>resistente</td><td></td></tr><tr><td>RESISTANCE TO CHEMICAL AGENTS</td><td>resistant</td><td></td></tr><tr><td>RESISTANCE AUX PRODUITS CHIMIQUES</td><td>résistant</td><td></td></tr></table> | UNE EN ISO 10545 (13) |  |  | RESISTENCIA A LOS AGENTES QUÍMICOS       | resistente |  | RESISTANCE TO CHEMICAL AGENTS | resistant |  | RESISTANCE AUX PRODUITS CHIMIQUES       | résistant |  |    | <table><tr><th colspan="3">UNE EN ISO 10545 (9)</th></tr><tr><td>RESISTENCIA A LOS CAMBIOS DE TEMPERATURA</td><td>resistente</td><td></td></tr><tr><td>RESISTANCE TO THERMAL SHOCKS</td><td>resistant</td><td></td></tr><tr><td>RESISTANCE AUX CHOCS THERMIQUES</td><td>résistant</td><td></td></tr></table> | UNE EN ISO 10545 (9)     |  |  | RESISTENCIA A LOS CAMBIOS DE TEMPERATURA | resistente |  | RESISTANCE TO THERMAL SHOCKS | resistant |  | RESISTANCE AUX CHOCS THERMIQUES      | résistant |  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|--|------------------------------------------|------------|--|-------------------------------|-----------|--|-----------------------------------------|-----------|--|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--|--|------------------------------------------|------------|--|------------------------------|-----------|--|--------------------------------------|-----------|--|
| UNE EN ISO 10545 (13)                                                               |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTENCIA A LOS AGENTES QUÍMICOS                                                  | resistente                                                                                                                                                                                                                                                                                                 |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE TO CHEMICAL AGENTS                                                       | resistant                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE AUX PRODUITS CHIMIQUES                                                   | résistant                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| UNE EN ISO 10545 (9)                                                                |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTENCIA A LOS CAMBIOS DE TEMPERATURA                                            | resistente                                                                                                                                                                                                                                                                                                 |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE TO THERMAL SHOCKS                                                        | resistant                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE AUX CHOCS THERMIQUES                                                     | résistant                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
|    | <table><tr><th colspan="3">UNE EN ISO 10545 (3)</th></tr><tr><td>ABSORCIÓN DE AGUA</td><td>nula</td><td></td></tr><tr><td>WATER ABSORTION</td><td>none</td><td></td></tr><tr><td>ABSORPTION D'EAU</td><td>nulle</td><td></td></tr></table>                                                                 | UNE EN ISO 10545 (3)  |  |  | ABSORCIÓN DE AGUA                        | nula       |  | WATER ABSORTION               | none      |  | ABSORPTION D'EAU                        | nulle     |  |    | <table><tr><th colspan="3">DIN 51094</th></tr><tr><td>RESISTENCIA DE LOS COLORES A LA LUZ</td><td>resistente</td><td></td></tr><tr><td>COLOURS RESISTANCE TO FADING</td><td>resistant</td><td></td></tr><tr><td>RESISTANCE DES COULEURS A LA LUMIERE</td><td>résistant</td><td></td></tr></table>            | DIN 51094                |  |  | RESISTENCIA DE LOS COLORES A LA LUZ      | resistente |  | COLOURS RESISTANCE TO FADING | resistant |  | RESISTANCE DES COULEURS A LA LUMIERE | résistant |  |
| UNE EN ISO 10545 (3)                                                                |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| ABSORCIÓN DE AGUA                                                                   | nula                                                                                                                                                                                                                                                                                                       |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| WATER ABSORTION                                                                     | none                                                                                                                                                                                                                                                                                                       |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| ABSORPTION D'EAU                                                                    | nulle                                                                                                                                                                                                                                                                                                      |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| DIN 51094                                                                           |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTENCIA DE LOS COLORES A LA LUZ                                                 | resistente                                                                                                                                                                                                                                                                                                 |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| COLOURS RESISTANCE TO FADING                                                        | resistant                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE DES COULEURS A LA LUMIERE                                                | résistant                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
|  | <table><tr><th colspan="3">UNE EN ISO 10545 (12)</th></tr><tr><td>RESISTENCIA AL HIELO</td><td>resistente</td><td></td></tr><tr><td>FROST RESISTANT</td><td>resistent</td><td></td></tr><tr><td>RESISTANCE AU GEL</td><td>résistent</td><td></td></tr></table>                                             | UNE EN ISO 10545 (12) |  |  | RESISTENCIA AL HIELO                     | resistente |  | FROST RESISTANT               | resistent |  | RESISTANCE AU GEL                       | résistent |  |  | <table><tr><th colspan="3">UNE-EN-ISO-10545-14</th></tr><tr><td>RESISTENCIA A LAS MANCHAS</td><td>Clase 5</td><td></td></tr><tr><td>RESISTANCE TO STAINING</td><td>Class 5</td><td></td></tr><tr><td>RÉSISTANCE AUX TACHES</td><td>Classe 5</td><td></td></tr></table>                                       | UNE-EN-ISO-10545-14      |  |  | RESISTENCIA A LAS MANCHAS                | Clase 5    |  | RESISTANCE TO STAINING       | Class 5   |  | RÉSISTANCE AUX TACHES                | Classe 5  |  |
| UNE EN ISO 10545 (12)                                                               |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTENCIA AL HIELO                                                                | resistente                                                                                                                                                                                                                                                                                                 |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| FROST RESISTANT                                                                     | resistent                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE AU GEL                                                                   | résistent                                                                                                                                                                                                                                                                                                  |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| UNE-EN-ISO-10545-14                                                                 |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTENCIA A LAS MANCHAS                                                           | Clase 5                                                                                                                                                                                                                                                                                                    |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE TO STAINING                                                              | Class 5                                                                                                                                                                                                                                                                                                    |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RÉSISTANCE AUX TACHES                                                               | Classe 5                                                                                                                                                                                                                                                                                                   |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
|  | <table><tr><th colspan="3">DIN 51097</th></tr><tr><td>RESISTENCIA AL DESLIZAMIENTO SIN CALZADO</td><td>Clase C</td><td></td></tr><tr><td>SLIP RESISTANCE IN BARE SHOES</td><td>Class C</td><td></td></tr><tr><td>RESISTANCE AU GLISSEMENT PIEDS NUS</td><td>Classe C</td><td></td></tr></table>            | DIN 51097             |  |  | RESISTENCIA AL DESLIZAMIENTO SIN CALZADO | Clase C    |  | SLIP RESISTANCE IN BARE SHOES | Class C   |  | RESISTANCE AU GLISSEMENT PIEDS NUS      | Classe C  |  |  | <table><tr><th colspan="3">UNE-ENV 12633:2003 (CTE)</th></tr><tr><td>COEFICIENTE DE ANTIDESLIZAMIENTO</td><td>Clase 3</td><td></td></tr><tr><td>ANTI SKID COEFFICIENT</td><td>Class 3</td><td></td></tr><tr><td>GLISSEMENT COEFFICIENT</td><td>Classe 3</td><td></td></tr></table>                           | UNE-ENV 12633:2003 (CTE) |  |  | COEFICIENTE DE ANTIDESLIZAMIENTO         | Clase 3    |  | ANTI SKID COEFFICIENT        | Class 3   |  | GLISSEMENT COEFFICIENT               | Classe 3  |  |
| DIN 51097                                                                           |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTENCIA AL DESLIZAMIENTO SIN CALZADO                                            | Clase C                                                                                                                                                                                                                                                                                                    |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| SLIP RESISTANCE IN BARE SHOES                                                       | Class C                                                                                                                                                                                                                                                                                                    |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE AU GLISSEMENT PIEDS NUS                                                  | Classe C                                                                                                                                                                                                                                                                                                   |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| UNE-ENV 12633:2003 (CTE)                                                            |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| COEFICIENTE DE ANTIDESLIZAMIENTO                                                    | Clase 3                                                                                                                                                                                                                                                                                                    |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| ANTI SKID COEFFICIENT                                                               | Class 3                                                                                                                                                                                                                                                                                                    |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| GLISSEMENT COEFFICIENT                                                              | Classe 3                                                                                                                                                                                                                                                                                                   |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
|  | <table><tr><th colspan="3">DIN 51130:2004</th></tr><tr><td>RESISTENCIA AL DESLIZAMIENTO CON CALZADO</td><td>R11</td><td></td></tr><tr><td>SLIP RESISTANCE WEARING SHOES</td><td>R11</td><td></td></tr><tr><td>RESISTANCE AU GLISSEMENT PIEDS CHAUSSEO</td><td>R11</td><td></td></tr></table>               | DIN 51130:2004        |  |  | RESISTENCIA AL DESLIZAMIENTO CON CALZADO | R11        |  | SLIP RESISTANCE WEARING SHOES | R11       |  | RESISTANCE AU GLISSEMENT PIEDS CHAUSSEO | R11       |  |  | <table><tr><th colspan="3">TYPE OF SUPPORT</th></tr><tr><td>MALLA</td><td></td><td></td></tr><tr><td>MESH</td><td></td><td></td></tr><tr><td>FILET</td><td></td><td></td></tr></table>                                                                                                                       | TYPE OF SUPPORT          |  |  | MALLA                                    |            |  | MESH                         |           |  | FILET                                |           |  |
| DIN 51130:2004                                                                      |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTENCIA AL DESLIZAMIENTO CON CALZADO                                            | R11                                                                                                                                                                                                                                                                                                        |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| SLIP RESISTANCE WEARING SHOES                                                       | R11                                                                                                                                                                                                                                                                                                        |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| RESISTANCE AU GLISSEMENT PIEDS CHAUSSEO                                             | R11                                                                                                                                                                                                                                                                                                        |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| TYPE OF SUPPORT                                                                     |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| MALLA                                                                               |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| MESH                                                                                |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |
| FILET                                                                               |                                                                                                                                                                                                                                                                                                            |                       |  |  |                                          |            |  |                               |           |  |                                         |           |  |                                                                                     |                                                                                                                                                                                                                                                                                                              |                          |  |  |                                          |            |  |                              |           |  |                                      |           |  |

## TEST ASTM

| TEST PERFORMED AND REQUIREMENTS | CONCLUSIONS |
|---------------------------------|-------------|
| Range of Thickness (ASTM C499)  | passes      |
| Facial Dimensions (ASTM C499)   | passes      |
| Wedging (ASTM C502)             | passes      |
| Water Absorption (ASTM C373)    | passes      |
| Thermal Shocks (ASTM C484)      | passes      |
| Bond Strenght (ASTM C482)       | passes      |
| Crazing (ASTM C424)             | passes      |

## TEST DCOF

| DYNAMIC COEFFICIENT OF FRICTION |       |        |
|---------------------------------|-------|--------|
| Ansi A 137.1 Standard           | ≥0,42 | (0,62) |