



# 江苏汇天国际贸易有限责任公司 STARMATRIX GROUP INC.

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## TECHNICAL DATA

<b>Material</b>	PE, 100 %
<b>Shape</b>	Round
<b>Density</b>	1.28-1.48g/cm <sup>3</sup>
<b>Ball Diameter</b>	55±3mm
<b>Recommended Filtration Velocity</b>	20 - 85m/h
<b>The Ability to Capture Particle Size</b>	<3.0 μ m
<b>Amount of Pollutant</b>	6-10kg/m <sup>3</sup>
<b>Working Temperature</b>	0°C - 80°C
<b>Porosity</b>	92-95%
<b>Recommended loading density</b>	40 – 60 kg/m <sup>3</sup>
<b>Hygroscopicity</b>	0.4-0.5%
<b>BET</b>	2500-3500m <sup>2</sup> /m <sup>3</sup>
<b>COD removal</b>	60%
<b>Acid Resistance</b>	35%HCL,75%H <sub>2</sub> SO <sub>4</sub>
<b>Oil removal</b>	≤ 5mg/L
<b>Non-Toxic</b>	Yes



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$$P = \frac{V_0 - V}{V_0} \times 100\% = \left(1 - \frac{\rho_0}{\rho}\right) \times 100\%$$

P ----- porosity, %;

$V_0$  ----- "apparent volume", the volume of the material under the nature state, unit:  $\text{cm}^3$  or  $\text{m}^3$ ;

$\rho_0$  ----- "apparent density", unit:  $\text{g}/\text{cm}^3$  or  $\text{kg}/\text{m}^3$ ;

V ----- the absolute compact volume, unit:  $\text{cm}^3$  or  $\text{m}^3$ ;

$\rho$  ----- material density, unit:  $\text{g}/\text{cm}^3$  or  $\text{kg}/\text{m}^3$ .

BET

specific surface area, also called SSA

COD removal

chemical oxygen demand removal

