

New Development of Accu[®] sphere Product with Small Particle Size and Large Submicron Pore Size

To support the growing demand for Accu[®] sphere catalyst carriers, Saint-Gobain NorPro continues to invest in innovation to identify the optimum solution for our customers. We are pleased to announce a new development with our proprietary Accu[®] sphere technology to produce alumina Accu[®] sphere products as small as 0.3 mm, with a median pore size of 0.5-0.7 μm and a total pore volume up to 0.65 cc/g. The BET surface area is typically less than 4 m²/g.

This new development focuses on the lower end of Accu[®] sphere size range, maximizing pore volume and median pore size while retaining Accu[®] sphere's characteristic low span of size (≤15%) and excellent control of average particle size.

Case Study	#1	#2
Particle Size D50 (mm)	0.5	0.3
SPAN (D ₉₀ -D ₁₀)/D ₅₀ (%)	12	15
Median Pore Diameter (μm)	0.6	0.7
Total Pore Volume by Hg instruction (cm ³ /g)	0.39	0.65
Surface Area (m ² /g)	3.4	2.5
Packing Density (kg/m ³)	720	640
Phase	α-Alumina	α-Alumina



The Power of Small

Saint-Gobain NorPro's proprietary Accu[®] sphere technology allows for highly-uniformed micro-sized catalyst carrier spheres that can be utilized in a variety of complex environments to optimize catalytic reactions.