

## NanoScale NanoActive® Aluminum Oxide

Category : Ceramic , Oxide , Aluminum Oxide

**Material Notes:**

NanoActive Al<sub>2</sub>O<sub>3</sub> is produced using proprietary processes to obtain high specific surface area, low density, amorphous material with high adsorption capacity and chemical reactivity. NanoActive Al<sub>2</sub>O<sub>3</sub> can be dispersed in various carrier fluids with greatly reduced particle sizes. Applications: Applications include air cleaning, capacitors, catalysts supports, coatings, heat transfer fluids (suspensions), polishing materials, polymer nanocomposites for improved tribological performance, and structural ceramics. Information provided by NanoScaleComposition based on metal

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NanoScale-NanoActive-Aluminum-Oxide.php](http://www.lookpolymers.com/polymer_NanoScale-NanoActive-Aluminum-Oxide.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.500 g/cc	0.0181 lb/in <sup>3</sup>	
Density	3.90 g/cc	0.141 lb/in <sup>3</sup>	
Loss On Ignition	2.1 %	2.1 %	
Particle Size	1.5 µm	1.5 µm	mean aggregate size
Specific Surface Area	>= 275 m <sup>2</sup> /g	>= 275 m <sup>2</sup> /g	BET
Pore Size	0.00280 microns	0.000110 mil	Average Diameter

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 99.8 %	>= 99.8 %	

Descriptive Properties	Value	Comments
Appearance / Color	White Powder	
Crystallite Size	Amorphous	
Minimum Total Pore Volume cc/g	0.15	

## Contact Songhan Plastic Technology Co.,Ltd.

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