

NanoScale NanoActive® Aluminum Oxide Plus

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

NanoActive Al₂O₃ Plus is produced using proprietary processes to obtain high specific surface area, high porosity (75% are mesopores), low density, weakly aggregated material possessing high adsorption capacity and chemical reactivity. Applications: Applications include air cleaning, catalysts supports, coatings and binders, destruction of chemical warfare agents, heat transfer fluids (suspensions), polishing materials, polymer nanocomposites for improved tribological performance, smoke obscurant, 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-Plus.php

Physical Properties	Metric	English	Comments
Bulk Density	0.200 g/cc	0.00723 lb/in ³	
Density	2.90 g/cc	0.105 lb/in ³	
Loss On Ignition	<= 13 %	<= 13 %	
Particle Size	5.0 µm	5.0 µm	mean aggregate size
Specific Surface Area	>= 550 m ² /g	>= 550 m ² /g	BET
Pore Size	0.0110 microns	0.000433 mil	Average Diameter

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 99.2 %	>= 99.2 %	

Processing Properties	Metric	English	Comments
Moisture Content	<= 12 %	<= 12 %	

Descriptive Properties	Value	Comments
Appearance / Color	White Powder	
Crystallite Size	Amorphous	
Minimum Total Pore Volume cc/g	1.5	

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