

CIMBAR CIMTUFF® 9110 Talc

Category : Ceramic , Oxide , Silicon Oxide , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

CIMTUFF® 9100 Series talcs are produced from high purity ore, which provides low iron content, low surface area and excellent color in dry form as well as when incorporated with resins. CIMTUFF® 9100 Series talcs are primarily used in performance polypropylene, where improved tensile strength, flexural modulus, heat distortion temperature, increased stiffness, reduced shrinkage and lower compounding costs are required. CIMTUFF® 9100 Series talcs are platy, hydrophobic, non-abrasive and chemically inert. Information provided by Cimbar Performance Minerals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CIMBAR-CIMTUFF-9110-Talc.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.78 g/cc	2.78 g/cc	
Bulk Density	0.449 g/cc	0.0162 lb/in ³	Loose
	1.09 g/cc	0.0394 lb/in ³	Tapped
Brightness	90 %	90 %	Hunter Rd, dry
Oil Absorption	24 %	24 %	g oil/100 g filler; ASTM D281
Moisture Absorption at Equilibrium	0.30 %	0.30 %	
Loss On Ignition	7.5 %	7.5 %	
Particle Size	10 µm	10 µm	Median; Micrometrics Sedigraph 5100
Particle Mesh Size	325 Mesh	325 Mesh	1.0% retained
pH	8.7	8.7	

Component Elements Properties	Metric	English	Comments
Al2O3	<= 1.0 %	<= 1.0 %	
CaO	<= 1.0 %	<= 1.0 %	
Fe2O3	<= 1.0 %	<= 1.0 %	
MgO	30 %	30 %	
SiO2	60 %	60 %	

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