

**CIMBAR CIMTUFF® 9102 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-9102-Talc.php](http://www.lookpolymers.com/polymer_CIMBAR-CIMTUFF-9102-Talc.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.78 g/cc	2.78 g/cc	
Bulk Density	0.224 g/cc	0.00810 lb/in <sup>3</sup>	Loose
	0.481 g/cc	0.0174 lb/in <sup>3</sup>	Tapped
Brightness	92 %	92 %	Hunter Rd, dry
Oil Absorption	32 %	32 %	g oil/100 g filler; ASTM D281
Moisture Absorption at Equilibrium	0.30 %	0.30 %	
Loss On Ignition	7.5 %	7.5 %	
Particle Size	2.5 µm	2.5 µm	Median; Micrometrics Sedigraph 5100
Particle Mesh Size	325 Mesh	325 Mesh	0.1% 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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