

## CIMBAR RP 9310 Talc

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

**Material Notes:**

RP 9300 Series talcs are produced from high purity ores, which provide an excellent balance of color and mechanical properties, for primary use in commodity polypropylene and polyester compounds. RP 9300 Series talcs are platy, hydrophobic and non-abrasive. 9300 Series talcs industrial applications include: thermoplastics, thermosets, adhesives & mastics. Information provided by Cimbar Performance Minerals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CIMBAR-RP-9310-Talc.php](http://www.lookpolymers.com/polymer_CIMBAR-RP-9310-Talc.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.78 g/cc	2.78 g/cc	
Bulk Density	0.465 g/cc	0.0168 lb/in <sup>3</sup>	Loose
	1.11 g/cc	0.0399 lb/in <sup>3</sup>	Tapped
Brightness	91 %	91 %	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	17 %	17 %	
Particle Size	1.5 µm	1.5 µm	@ 10%; Micrometrics Sedigraph 5100
	8.5 µm	8.5 µm	Median
	30 µm	30 µm	@ 98%; Micrometrics Sedigraph 5100
Particle Mesh Size	325 Mesh	325 Mesh	1.0% retained
pH	9.0	9.0	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	<= 1.0 %	<= 1.0 %	
CaO	<= 13 %	<= 13 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 1.0 %	<= 1.0 %	
MgO	24 %	24 %	
SiO <sub>2</sub>	46 %	46 %	

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