Cimbar Performance Minerals

Technical Data

CIMTUFF® 9100 Talc Series

CIMTUFF® 9100 Series talcs are produced from high purity, **high-brightness** ore, which provide 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 color is critical along with 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. The **CIMTUFF® Series** is the talc of choice for a wide range of industrial coatings formulators for improving weather-resistance and durability.

Product Description	CIMTUFF® talc grades		
	9103	9107	9115
Median Particle Size (microns) Cilas Particle Size Analyzer	3.0	N/A	N/A
Passing 325 Mesh Screen (%)	100%	99.5%	97.0%
Dry Color (L) CIE Lab (min)	97	96	95
Oil Absorption (gm oil/100 gm filler) ASTM – D 281	30	27	21
Bulk Density			
Loose (lbs./ft.^{3})	16	23	33
Tapped (lbs./ft.^{3})	45	59	77

Typical Chemical Analysis		(WT) %
Silicon Dioxide	SiO_2	60
Magnesium Oxide	MgO	30
Calcium Oxide	CaO	<1
Aluminum Oxide	Al_2O_3	<1
Loss on Ignition	LOI	6.5

Typical Properties	
Specific Gravity	2.78
Moisture %	<0.3
pH	8.7

Sales Contact
800-852-6868
www.cimbar.com