

CIMBAR RiverCal™ 8105 & 8105C Calcium Carbonate (CaCO₃)

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

RiverCal™ 8100 Series Calcium Carbonate are high purity, white, functional fillers targeted for use in thermosets, thermoplastics, paint & coatings, sealants, TPO's and TPE's and other applications requiring an economical filler. RiverCal™ 8100 Series products are also available with stearic acid surface coating, designated with a "C", where improved flow and reduced dusting are required. Information provided by Cimbar Performance Minerals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CIMBAR-RiverCal-8105-8105C-Calcium-Carbonate-CaCO3.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.71 g/cc	2.71 g/cc	
Bulk Density	0.561 g/cc	0.0203 lb/in ³	Loose
	1.22 g/cc	0.0440 lb/in ³	Tapped
Brightness	89 %	89 %	Stearate Treated, Hunter Rd value
	92 %	92 %	Uncoated, Hunter Rd value
Oil Absorption	18 %	18 %	g oil/100 g filler; ASTM D281
Fineness	5.5	5.5	Hegman Fineness; ASTM D1210
Moisture Absorption at Equilibrium	0.30 %	0.30 %	
Loss On Ignition	44 %	44 %	
	@Temperature 1050 °C	@Temperature 1920 °F	
Particle Size	1.6 µm	1.6 µm	@ 10%
	4.3 µm	4.3 µm	D50
	25 µm	25 µm	@ 98%
Particle Mesh Size	325 Mesh	325 Mesh	0.3% retained
pH	9.5	9.5	

Component Elements Properties	Metric	English	Comments
Fe2O3	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
CaCO ₃	99	

Descriptive Properties	Value	Comments
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