

CIMBAR CAL-BEN™ Calcium Bentonite

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

Material Notes:

Selectively mined calcium bentonite, specially blended and processed for general industrial use. It is tan to yellowish in color and comes in the form of a fine powder. Incorporation: Can be base exchanged to fit a particular application. Can be chemically treated to alter its properties. Applications: Use as a viscosifier and filtrate reducer in drilling mud systems. Filler in coatings. Caulking. Grouting. Sealant formulations. Paint. Pesticides. Pharmaceuticals. Foundry uses. Information provided by Cimbar Performance Minerals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CIMBAR-CAL-BEN-Calcium-Bentonite.php

Physical Properties	Metric	English	Comments
Bulk Density	0.641 - 0.705 g/cc	0.0231 - 0.0255 lb/in³	loose
	1.04 - 1.12 g/cc	0.0376 - 0.0405 lb/in³	packed
Moisture Absorption at Equilibrium	10 - 12 %	10 - 12 %	as produced
Loss On Ignition	9.5 %	9.5 %	
	@Temperature 1000 °C	@Temperature 1830 °F	
Particle Mesh Size	200 Mesh	200 Mesh	4.0%, wet
	325 Mesh	325 Mesh	6 - 9%, wet
pH	7.0 - 9.0	7.0 - 9.0	

Component Elements Properties	Metric	English	Comments
Al2O3	23.3 %	23.3 %	
CaO	<= 4.7 %	<= 4.7 %	
Fe2O3	1.6 %	1.6 %	
MgO	2.9 %	2.9 %	
Na2O	1.9 %	1.9 %	
SiO2	55.1 %	55.1 %	

Descriptive Properties	Value	Comments
CEC (mg/100ml)	60	
Swelling Index (ml/2g)	12	

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