Old Hickory No. 5 Kentucky Ball Clay

Category : Ceramic , Clay , Ball Clay

Material Notes:

No. 5 clay is a kaolinitic ball clay containing low levels of carbon. It provides high suspension and plasticity to a variety of ceramic formulations and is an excellent source of Al2O3 content. No.5 clay is especially beneficial in refractory specialty products, high and super duty refractory brick (50 to 70% Al2O3).Information provided by Old Hickory Clay Company

Order this product through the following link:
http://www.lookpolymers.com/polymer_Old-Hickory-No-5-Kentucky-Ball-Clay.php

Physical Properties	Metric	English	Comments
Particle Size	0.50 µm	0.50 µm	48% of particles less than
	0.67 µm	0.67 µm	Median particle diameter
	1.0 µm	1.0 µm	60% of particles less than
	<= 5.0 µm	<= 5.0 µm	86% of particles less than
pH	6.0	6.0	
Soluble Sulfates	115 ppm	115 ppm	
Specific Surface Area	18.9 m²/g	18.9 m²/g	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00328 GPa	0.475 ksi	Dry Modulus of Rupture, 50% clay/50% flint, cast bars

Thermal Properties	Metric	English	Comments
Shrinkage	4.5 %	4.5 %	Cone 04, Linear Fired Shrinkage
	6.5 %	6.5 %	Linear Drying Shrinkage
	6.6 %	6.6 %	Cone 3, Linear Fired Shrinkage
	7.5 %	7.5 %	Cone 11, Linear Fired Shrinkage

Component Elements Properties	Metric	English	Comments
Al2O3	29.01 %	29.01 %	
CaO	0.11 %	0.11 %	
Fe2O3	0.88 %	0.88 %	
K2O	0.69 %	0.69 %	

Component Elements Properties	Metric	English	Comments
MgO	0.26 %	0.26 %	
Na2O	0.080 %	0.080 %	
SiO2	56.95 %	56.95 %	
TiO2	2.26 %	2.26 %	

Descriptive Properties	Value	Comments
Absorption (%)	12.7	Cone 3, Fired
	15.8	Cone 04, Fired
	5	Cone 11, Fired
CEC/MBI (meg/100 ml)	7.1	
Crude Color	White	
Filtration (ml)	26	
Pyrometric Cone Equivalent (PCE)	32	
Water of Plasticity (%)	33	
Wet Sieve Residue (%)	0.45	Wet Sieve Residue, +200 mesh

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China