

Imerys EPK Kaolin

Category : Ceramic , Clay , Kaolin Clay , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

EPK Kaolin is a unique, high quality water washed ceramic kaolin which offers very white fired color, unusually good forming characteristics and high green strength. In glaze, EPK offers excellent suspension capabilities and uncommon cleanliness. Information provided by Imerys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Imerys-EPK-Kaolin.php

Physical Properties	Metric	English	Comments
Bulk Density	0.513 g/cc	0.0185 lb/in ³	loose
	0.737 g/cc	0.0266 lb/in ³	packed
Particle Size	1.0 Åµm	1.0 Åµm	average
Particle Mesh Size	325 Mesh	325 Mesh	1.6% retained, pellet (prill)
	325 Mesh	325 Mesh	1.2% retained, airfloated
pH	6.0	6.0	
Specific Surface Area	25.6 m ² /g	25.6 m ² /g	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00207 GPa	0.300 ksi	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	37.4 %	37.4 %	
CaO	0.18 %	0.18 %	
Fe ₂ O ₃	0.79 %	0.79 %	
K ₂ O	0.33 %	0.33 %	
Loss on Ignition(%)	13.9 %	13.9 %	
MgO	0.10 %	0.10 %	
P ₂ O ₅	0.24 %	0.24 %	
SiO ₂	45.7 %	45.7 %	
TiO ₂	0.37 %	0.37 %	

Processing Properties	Metric	English	Comments
Moisture Content	1.0 %	1.0 %	Plus 325 Mesh (Airfloated)
	3.0 %	3.0 %	Plus 325 Mesh (Pellet/Prill)

Descriptive Properties	Value	Comments
M.B.I. (meq/100g)	3.7	

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