

Imerys Allen,ç Kaolin

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

Material Notes:

Allen is an intermediate-grained kaolin suitable for use as a filler and pigment in a wide variety of industrial applications such as soft rubber, plastics, ceiling tile, adhesives and paper products. Information provided by Imerys

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	
Brightness	74 %	74 %	G.E. Brightness
Oil Absorption	33 %	33 %	g/100g clay; ASTM D-281
Particle Size	0.50 Åµm	0.50 Åµm	28% finer than
	1.0 Åµm	1.0 Åµm	47% finer than
	1.2 Åµm	1.2 Åµm	median
	2.0 Åµm	2.0 Åµm	63% finer than
	5.0 Åµm	5.0 Åµm	82% finer than
	10 Åµm	10 Åµm	92% finer than
	20 Åµm	20 Åµm	97% finer than
Particle Mesh Size	325 Mesh	325 Mesh	2% retained
pH	4.5 - 6.5	4.5 - 6.5	

Component Elements Properties	Metric	English	Comments
Al2O3	38.1 %	38.1 %	
CaO	0.10 %	0.10 %	
Carbon, C	0.040 %	0.040 %	
Fe2O3	0.60 %	0.60 %	
K2O	0.20 %	0.20 %	
Loss on Ignition(%)	13.5 %	13.5 %	
MgO	0.10 %	0.10 %	
Na2O			

Component Elements Properties	Metric	English	Comments
SiO2	45.8 %	45.8 %	
Sulfur, S	0.040 %	0.040 %	
TiO2	1.6 %	1.6 %	

Processing Properties	Metric	English	Comments
Moisture Content	1.0 - 3.0 %	1.0 - 3.0 %	

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