

Imerys Afton®, R Kaolin

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

Material Notes:

Afton is a fine-grained kaolin used asa a filler in hard rubber products, plastic products, adhesives, protective coatings and similar applications.Information provided by Imerys

Order this product through the following link:
http://www.lookpolymers.com/polymer_Imerys-Afton-R-Kaolin.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	
Brightness	72 %	72 %	G.E. Brightness
Oil Absorption	41 %	41 %	g/100g clay; ASTM D-281
Particle Size	0.30 Åµm	0.30 Åµm	median
	0.50 Åµm	0.50 Åµm	71.5% finer than
	1.0 Åµm	1.0 Åµm	86% finer than
	2.0 Åµm	2.0 Åµm	92% finer than
	5.0 Åµm	5.0 Åµm	98% finer than
	10 Åµm	10 Åµm	98.5% finer than
	20 Åµm	20 Åµm	99.5% finer than
Particle Mesh Size	325 Mesh	325 Mesh	0.5% retained
pH	4.0	4.0	10% solids
Specific Surface Area	22 - 24 mÅ²/g	22 - 24 mÅ²/g	

Component Elements Properties	Metric	English	Comments
Al2O3	38.8 %	38.8 %	
CaO	0.15 %	0.15 %	
Fe2O3	1.2 %	1.2 %	
K2O	0.20 %	0.20 %	
Loss on Ignition(%)	14 %	14 %	
MgO	0.060 %	0.060 %	
Na2O			

Component Elements Properties	0.15 % Metric	0.15 % English	Comments
SiO2	44 %	44 %	
TiO2	1.46 %	1.46 %	

Processing Properties	Metric	English	Comments
Moisture Content	<= 1.0 %	<= 1.0 %	

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