

## Imerys Hamilton,ç Kaolin

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

### Material Notes:

Hamilton is a fine-grained kaolin with low alkali content and high PCE. These properties make for ideal air-set refractory mortars.

Halloysite content provides excellent suspension and trowel ability. Information provided by Imerys

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Imerys-Hamilton-Kaolin.php](http://www.lookpolymers.com/polymer_Imerys-Hamilton-Kaolin.php)

Physical Properties	Metric	English	Comments
Particle Size	0.50 Åµm	0.50 Åµm	69% finer than
	1.0 Åµm	1.0 Åµm	83% finer than
	2.0 Åµm	2.0 Åµm	89% finer than
	5.0 Åµm	5.0 Åµm	95% finer than
	10 Åµm	10 Åµm	98% finer than
	20 Åµm	20 Åµm	99% finer than
Particle Mesh Size	325 Mesh	325 Mesh	2% retained
pH	4.0	4.0	
Specific Surface Area	24 mÅ²/g	24 mÅ²/g	

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

Component Elements Properties	Metric	English	Comments
Al2O3	38.8 %	38.8 %	
CaO	0.20 %	0.20 %	
Carbon, C	0.030 %	0.030 %	
Fe2O3	1.3 %	1.3 %	
K2O	0.20 %	0.20 %	
Loss on Ignition(%)	14 %	14 %	
	@Temperature 950 Å°C	@Temperature 1740 Å°F	
MgO	0.20 %	0.20 %	

Component Elements Properties	Metric	English	Comments
P2O5	0.10 %	0.10 %	
SiO2	44 %	44 %	
Sulfur, S	0.080 %	0.080 %	
TiO2	1.5 %	1.5 %	

Descriptive Properties	Value	Comments
M.B.I. (meq/100g)	4.5	

## Contact Songhan Plastic Technology Co.,Ltd.

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