

## Old Hickory M&M Clays, Inc. Wilco-UPF Kaolin Clay

Category : Ceramic , Clay , Kaolin Clay

### Material Notes:

Wilco UPF is finer grained kaolin and can be employed in a ceramic formulation where higher permeability type kaolin is not required. It has excellent suspension qualities and lends good film strength to ceramic engobes and glazes of all temperature ranges. Wilco UPF also meets the requirements of filler applications where a dry ground processed kaolin can be employed. Information provided by Old Hickory Clay Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Old-Hickory-MM-Clays-Inc-Wilco-UPF-Kaolin-Clay.php](http://www.lookpolymers.com/polymer_Old-Hickory-MM-Clays-Inc-Wilco-UPF-Kaolin-Clay.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.62 g/cc	2.62 g/cc	
Bulk Density	3.59 g/cc	0.130 lb/in <sup>3</sup>	
Moisture Absorption	<= 1.00 %	<= 1.00 %	
Particle Size	0.50 µm	0.50 µm	32.2% of particles less than
	1.0 µm	1.0 µm	46.4% of particles less than
	1.3 µm	1.3 µm	Median particle diameter
	2.0 µm	2.0 µm	57.4% of particles less than
	5.0 µm	5.0 µm	73.3% of particles less than
	10 µm	10 µm	85.1% of particles less than
	<= 20 µm	<= 20 µm	91.1% of particles less than
pH	4.5 - 6.5	4.5 - 6.5	10% solids
Specific Surface Area	17 m <sup>2</sup> /g	17 m <sup>2</sup> /g	
Brookfield Viscosity	1000 cP	1000 cP	70% solids dispersed using a Brookfield #3 spindle at 100 rpm

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	37.77 %	37.77 %	
CaO	0.10 %	0.10 %	
Fe <sub>2</sub> O <sub>3</sub>	0.67 %	0.67 %	
K <sub>2</sub> O	0.22 %	0.22 %	
Loss on Ignition(%)	13.18 %	13.18 %	

Component Elements Properties	Metric	English	Comments
Na2O	0.030 %	0.030 %	
SiO2	45.81 %	45.81 %	
TiO2	1.74 %	1.74 %	

Descriptive Properties	Value	Comments
CEC/MBI (meg/100 ml)	3.5	
Pyrometric Cone Equivalent (PCE)	34	
Wet Sieve Residue (%)	1	Wet Sieve Residue, +325 mesh

## Contact Songhan Plastic Technology Co.,Ltd.

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