

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

Category : Ceramic , Clay , Kaolin Clay

**Material Notes:**

Wilco SLU is an aqueous suspension of kaolin produced at 70% solids content. The slurry is deflocculated and rheology stabilized with sodium silicate. The Wilco SLU grade is a highly permeable selection and recognized for its coarse particle size distribution. In a ceramic casting formulation, it offers fast casting rate for reduced casting times and quick firming of the piece upon drainage of the mold and removal of the piece for drying. 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-SLU-Kaolin-Clay.php](http://www.lookpolymers.com/polymer_Old-Hickory-MM-Clays-Inc-Wilco-SLU-Kaolin-Clay.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.76 g/cc	1.76 g/cc	
Bulk Density	1.76 g/cc	0.0636 lb/in <sup>3</sup>	
Moisture Absorption	<= 30.0 %	<= 30.0 %	
Particle Size	0.50 µm	0.50 µm	24.4% of particles less than
	1.0 µm	1.0 µm	37.4% of particles less than
	2.0 µm	2.0 µm	49.2% of particles less than
	2.1 µm	2.1 µm	Median particle diameter
	5.0 µm	5.0 µm	71.2% of particles less than
	10 µm	10 µm	87.4% of particles less than
	<= 20 µm	<= 20 µm	96.2% of particles less than
pH	5.0 - 7.0	5.0 - 7.0	10% solids
Specific Surface Area	10 m <sup>2</sup> /g	10 m <sup>2</sup> /g	
Brookfield Viscosity	250 cP	250 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>	38.21 %	38.21 %	
CaO	0.040 %	0.040 %	
Fe <sub>2</sub> O <sub>3</sub>	0.36 %	0.36 %	
K <sub>2</sub> O	0.11 %	0.11 %	
Loss on Ignition(%)	13.51 %	13.51 %	

Component Elements Properties	Metric	English	Comments
Na2O	0.020 %	0.020 %	
SiO2	45.16 %	45.16 %	
TiO2	1.77 %	1.77 %	

Descriptive Properties	Value	Comments
Casting Rate (Barold)	120	
CEC/MBI (meg/100 ml)	2	
Pyrometric Cone Equivalent (PCE)	34	
Wet Sieve Residue (%)	2	Wet Sieve Residue, +325 mesh

## Contact Songhan Plastic Technology Co.,Ltd.

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