

## Old Hickory No. 28 Kentucky Ball Clay

Category : Ceramic , Clay , Ball Clay

### Material Notes:

This is a kaolin grade with exceptional plasticity, dry and green strength, and low levels of carbon content. it can be utilized in extruded or pressed ceramic formulations and is a clay particularly advantageous in the manufacture of porcelain ceramic tile. Information provided by Old Hickory Clay Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Old-Hickory-No-28-Kentucky-Ball-Clay.php](http://www.lookpolymers.com/polymer_Old-Hickory-No-28-Kentucky-Ball-Clay.php)

Physical Properties	Metric	English	Comments
Particle Size	0.50 $\mu\text{m}$	0.50 $\mu\text{m}$	43% of particles less than
	0.63 $\mu\text{m}$	0.63 $\mu\text{m}$	Median particle diameter
	1.0 $\mu\text{m}$	1.0 $\mu\text{m}$	59% of particles less than
	$\leq 5.0 \mu\text{m}$	$\leq 5.0 \mu\text{m}$	82% of particles less than
pH	6.0	6.0	
Specific Surface Area	22.3 $\text{m}^2/\text{g}$	22.3 $\text{m}^2/\text{g}$	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00531 GPa	0.770 ksi	Dry Modulus of Rupture, 50% clay/50% flint, cast bars

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	25.6 %	25.6 %	
CaO	0.15 %	0.15 %	
Fe <sub>2</sub> O <sub>3</sub>	1.33 %	1.33 %	
K <sub>2</sub> O	1.0 %	1.0 %	
Loss on Ignition(%)	9.0 %	9.0 %	
MgO	0.37 %	0.37 %	
Na <sub>2</sub> O	0.080 %	0.080 %	
SiO <sub>2</sub>	60.3 %	60.3 %	
TiO <sub>2</sub>	1.75 %	1.75 %	

Descriptive Properties	Value	Comments
CEC/MBI (meg/100 ml)	9.3	
Crude Color	Light Brown	
Wet Sieve Residue (%)	0.71	Wet Sieve Residue, +200 mesh

## Contact Songhan Plastic Technology Co.,Ltd.

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