

# Plastic Forming Clay

## HC405

### ➤ Feature and Benefits

This range of plastic forming clays is produced with refined clays selected for their low residue and excellent suspension and rheological properties. Predictable forming and firing properties, including moisture retention, firmness and strength, and white fired color make it a valuable body component in decorative wares tableware.

It is processed and sized under strict internal quality assurance programs. The result is consistent chemistry with uniform particle size distribution giving controlled rheology properties and predictable firing performance.

### ➤ Chemical and Analytical Data

Typical mean values. These do not represent a specification. Mean Percent by Weight on Oxide Basis.

SiO <sub>2</sub>	%	46.45
Al <sub>2</sub> O <sub>3</sub>	%	35.50
TiO <sub>2</sub>	%	0.48
Fe <sub>2</sub> O <sub>3</sub>	%	1.62
K <sub>2</sub> O	%	0.50
Na <sub>2</sub> O	%	0.12
CaO	%	0.14
MgO	%	0.19
Loss on Ignition	%	15
Viscosity		315
M.O.R. (Dried) pressing	kgf/cm <sup>2</sup>	48
Firing Shrinkage @ 1220°C	%	14.3
Fired Color @ 1200°C	Whiteness	61

### ➤ Particle Size Analysis and Properties

Typical mean values. These do not represent a specification.

Laser PSD	D50µm	3.46
(%)	<10µm	87.77
	<5µm	67.72
	<2µm	28.02
Product Form	Noodle	
Moisture Content (%)	22±2	

### ➤ Packing: 50kg PP bags, 1000kg bags.

Country of Origin: China