

Plastic Forming Clays

HC70

➤ Feature and Benefits

It 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 a valuable best body component in decorative wares and table wares. It is processed and sized under strict 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 ₂	%	51.60
Al ₂ O ₃	%	33.59
TiO ₂	%	0.08
Fe ₂ O ₃	%	0.52
K ₂ O	%	1.13
Na ₂ O	%	0.25
CaO	%	0.30
MgO	%	0.01
Loss on Ignition	%	12.52
Viscosity [by flow cup]	seconds	18
M.O.R.	kgf/cm ²	43
Firing Shrinkage @1180°C	%	8.2
Fired Color @1180°C	Whiteness	87

➤ Particle Size Analysis and Properties

Typical mean values. These do not represent a specification.

Laser PSD	<10µm	98.78
(%)	<5µm	91.81
	<2µm	45.43
	<1µm	9.60
Product Form	Cake	
Moisture Content (%)	28±2	

➤ Packing

50kg PP bags, 1000kg bags.

Country of Origin: China