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Polyplate[®] HMT

Water Washed Delaminated Kaolin Clay

PRODUCT DESCRIPTION

Application: Polyplate HMT is a high brightness, very high aspect ratio, delaminated kaolin, intended for use in water-borne coatings, adhesives, and sealants. The large, platy structure of Polyplate HMT imparts increased hide, tinting strength, enamel holdout, crack resistance, and reinforcement properties in water based systems.

Physical Form – Spray Dried Beads or Slurry

Type - Hydrous Aluminum Silicate

TYPICAL PHYSICAL PROPERTIES

Brightness, % Reflectance (TAPPI).....	88
Moisture, 105°C, max., %.....	1.5
Screen Residue, 325 mesh, %	0.005
pH, (100 g/250 ml H ₂ O).....	7
Average Stokes Equivalent Particle Diameter, microns.....	1.2
Median Particle Size, microns (Malvern, LLS).....	6.7
Specific Gravity	2.60
Bulking Value: lb/gal; gal./lb.	21.7; 0.046
Hegman Grind*.....	4+
Surface Area, BET, m ² /g.....	12
Oil Absorption, g/100g.....	42
Bulk Density – Loose; Tamped (lbs/ft ³).....	40; 45
Crystalline Silica (quartz), %	<0.10
Shipping Point.....	Macon, GA

* Spray dried bead – high speed dispersible in water based systems only.

The above data are representative data for this product and should not be perceived as specifications or maximum/minimum values.

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