

Polyplate® HMT

Kaolin Clay - Delaminated

Product Description:

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: Dry, Slurry

Type: Kaolin Clay - Delaminated

Typical Physical Properties

| Test | Value | Method |
|--|-----------|--------------------------|
| Brightness, % Reflectance (TAPPI) | 87.5-89 | ASTM E1164 |
| Moisture, 105°C, max, as produced, % | 1.5 | KAM-QA-WI-008 |
| Screen Residue, 325 Mesh, % | 0.005 | KAM-QA-WI-001 |
| pH, (100 g/250 ml H ₂ O) | 6-8 | KAM-QA-WI-010 |
| Average Stokes Equivalent Particle Diameter (mm) | 1.2 | KAM-QA-WI-009 |
| Median Particle Size (mm), (Malvern) | 6.7 | KAM-QA-WI-035 |
| Specific Gravity | 2.6 | ASTM C127 |
| Surface Area, BET, M2/g | 12 | ASTM D3363 |
| Oil Absorption g/100g | 42 | ASTM D3363 |
| Crystalline Silica (quartz), % | 0.10 | KaMin Proprietary Method |
| Bulk Density-Loose (Lbs/ft ²) | | KAM-QA-WI-002 |
| Bulk Density Tapped (Lbs/ft ²) | 40; 45 | KAM-QA-WI-002 |
| Shipping Point | Macon, GA | |

CAS # 1332-58-7

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