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Polygloss® 90 Specialty Kaolin

PRODUCT DESCRIPTION

Application - Polygloss 90 is an ultra-fine particle size, high brightness kaolin, designed to provide ease of dispersion and improved gloss in both aqueous and solvent-borne coatings and inks. Polygloss 90 specialty kaolin contributes to improved opacity through efficient TiO₂ spacing. Polygloss 90 can be loaded to higher PVC values than standard extender pigments, without decreasing gloss and with minimal effect on viscosity. Polygloss 90 is used in paints and inks to extend prime pigments and as a partial replacement for the resin component.

Physical Form: White, milled fine powder

Type - Hydrous Aluminum Silicate

TYPICAL PHYSICAL PROPERTIES

Brightness, % Reflectance (TAPPI).....	91
Moisture, 105° C, max., %.....	1.0
pH (100g/250 ml H ₂ O).....	7
Average Stokes Equivalent Particle Diameter, microns	0.2
Median Particle Size, microns (Malvern LLS)	0.4
Hegman Grind.....	7.0+
Oil Absorption, g/100g.....	42
Surface Area, BET, m ² /g.....	22
Screen Residue, 325 mesh, %	0.005
Specific Gravity	2.6
Bulking Value, lb/gal; gal/lb.	21.7; 0.046
Bulk Density, Loose; Tamped, (lb/ft ³)	10; 12
Crystalline Silica (quartz), %	<0.10
Shipping Point	Wrens, GA

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