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# Polyplate<sup>®</sup> P

## Water Washed Kaolin Clay

### PRODUCT DESCRIPTION

**Application** - Polyplate P is a high brightness, delaminated clay intended for use in latex paints, water flexography inks, water-based adhesives or water-based systems where increased hiding, tinting strength and improved hold out are desirable.

**Physical Form** – Spray dried beads or slurry

**Type** – Hydrated aluminum silicate

### TYPICAL PHYSICAL PROPERTIES

Brightness,% Reflectance (TAPPI).....	88
Moisture, 105°C, max., %.....	1.5
Screen Residue, 325 mesh, % .....	0.005
pH, (28% solids for dry material; as is for slurry).....	7
Average Stokes Equivalent Particle Diameter, microns.....	0.75
Specific Gravity .....	2.6
Slurry Solids, % .....	68
Brookfield Viscosity, cps., (max) 25°C, 20 rpm. ....	450
Bulking Value: lb/gal; gal./lb.....	21.7; 0.046
Hegman Grind*.....	4+
Surface Area, BET, m <sup>2</sup> /g.....	15
Oil Absorption, g/100g.....	45
Bulk Density – Loose; Tamped (lbs/ft <sup>3</sup> ).....	40; 47
Crystalline Silica (quartz), % .....	<0.10
Color .....	White
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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