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Polyfil® DL

Water Washed Kaolin Clay

PRODUCT DESCRIPTION

Application - Polyfil DL is a large particle size, delaminated clay that reduces gas/vapor permeability. It is a type of water-washed clay which is processed to have a high aspect ratio. Large, platy particles provide effective barriers to gases and liquids and help improve gas retention properties in rubber inner-liners and other applications. In the delamination process, KaMin processes kaolin particles (stacks of platelets, as they are found in nature) into special wet-grinding, attrition mills. The clay stacks are reduced to thin kaolin platelets.

Physical Form – Spray dried beads

Type – Delaminated, hydrated aluminum silicate

TYPICAL PHYSICAL PROPERTIES

Brightness, % Reflectance (TAPPI).....	88
Moisture, 105°C, max., %.....	1.5
Screen Residue, 325 mesh, %	0.005
pH, (28%).....	7
Average Stokes Equivalent Particle Diameter, microns.....	1
Specific Gravity	2.6
Bulking Value: lb/gal; gal/lb.	21.7; 0.046
Surface Area, BET, m ² /g.....	12
Oil Absorption, g/100g.....	45
Bulk Density – Loose; Tamped (lbs/ft ³).....	40; 47
Crystalline Silica (quartz), %	<0.10
Color.....	White
Shipping Point.....	Macon, GA

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