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Ultrex[®] 96

Calcined Aluminum Silicate

Product Description

Ultrex 96 is an ultra-fine particle-size engineered kaolin grade featuring very high brightness. It has been dehydroxylated by controlled heat treatment to remove crystalline-bound hydroxyl groups and to improve brightness. Ultrex 96 is highly pulverized for ease of dispersion.

Application Information

Ultrex 96 is used to achieve a very high degree of whiteness. Its fine particle size provides both high opacity and tint strength. It has a bluer undertone, which creates very clean pastel colors and whiter whites. Ultrex 96 provides excellent optical properties for TiO₂ extension in both rubber and plastic compounds. Typical applications include water-borne interior flat paints, solvent-borne interior flat paints, gravure packaging inks, screen printing inks, and PVC pipe.

Physical Properties	Typical Value
Physical Form	Highly Pulverized Powder
Special Modifications	Dehydroxylated
GE Brightness (%)	96
Screen Residue, 325 Mesh (%)	0.02
Free Moisture (%) measured at 105°C	0.5
pH (20% solids)	6
Median Particle Size, Sedigraph (µm)	0.8
Specific Gravity	2.63
Bulk Density, Loose lb/ft ³ (kg/m ³)	16 / 260
Bulk Density, Tamped lb/ft ³ (kg/m ³)	22 / 350
Oil Absorption, Rubout (ASTM D-281)	90

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