

## POLYFILL IV SERIES

The Polyfill IV Series are a highly classified alumina trihydrate that offers the smallest average particle size, and most uniform distribution available in a ground product. Polyfill IV is used primarily in rubber and vinyl applications where maximum surface area and uniform dispersions are essential. Since the top side particle size is tightly controlled, Polyfill IV brings a new dimension to process and quality control in calendaring and laminating vinyl substrates. Polyfill IV is also used to increase viscosity build-up in coatings and adhesive products.

### PHYSICAL PROPERTIES

#### POLYFILL 403

Average Particle Size (Microns)	3.5 - 4.5
Retained on 325 Mesh (%)	0.0
Retained on 200 Mesh (%)	0.0
Retained on 100 Mesh (%)	0.0
Polyester Resin Demand (MI/100 Gm)	49
Oil Absorption (MI/100 Gm)	37
Specific Gravity	2.42
Bulk Density, Loose (Lb/Ft <sup>3</sup> )	40
Bulk Factor (Gal/Lb)	.0495
Free Moisture (%)	1 - 3
GE Brightness	92 - 94

### TYPICAL CHEMICAL COMPOSITION

Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	64.900
Silica (SiO <sub>2</sub> )	00.010
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	00.009
Soluble Soda (Na <sub>2</sub> O)	00.015
Total Soda	00.280
Loss on ignition (H <sub>2</sub> O)	34.600



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