



COARSE GRIND POLYFILL SERIES

Cimbar Performance Minerals coarse grind series Polyfill alumina trihydrate products are used in industrial applications that require maximum loading levels. With low surface area the maximum loading levels with use of coarse grind series Polyfill products increases flame retardancy and smoke suppression with more H₂O molecules available. Polyfill/PolyJet alumina trihydrate products are tightly controlled by Cimbar Performance Minerals ISO 9001:2015 quality program.

TYPICAL PHYSICAL PROPERTIES

| | Polyfill 130 | Polyfill 110 |
|---|--------------|--------------|
| Median Particle Size (microns) | 19 | 16 |
| Retained on 325 mesh screen (%) | 30.0 | 20.0 |
| Retained on 200 mesh screen (%) | 9.4 | 3.9 |
| Retained on 100 mesh screen (%) | 0.5 | 0.1 |
| Oil Absorption (mil/110g) | 28 | 29 |
| Specific Gravity | 2.42 | 2.42 |
| Bulk Density, Loose (lb/ft ³) | 60 | 56 |
| Bulk Factor (gal/lb) | .0495 | .0495 |
| Free Moisture (%) | .50 | .50 |
| Hunter "L" Brightness* | 96 | 96 |

TYPICAL CHEMICAL COMPOSITION

| | |
|--|--------|
| Aluminum Oxide (Al ₂ O ₃) | 64.900 |
| Silica (SiO ₂) | 00.010 |
| Ferric Oxide (Fe ₂ O ₃) | 00.009 |
| Soluble Soda Max. (Na ₂ O) | 00.050 |
| Total Soda Max. | 00.300 |
| Loss on Ignition (LOI) (H ₂ O) | 34.600 |

*Performed on HunterLab UltraScan Pro unit



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