FINE GRIND POLYFILL SERIES

Cimbar Performance Minerals fine grind Polyfill series alumina trihydrate products are used extensively in elastomers, thermoset plastics, thermoplastic and coating applications where optimum physical properties and surface finish qualities are critical. Use of fine grind Polyfill series products increases flame retardancy and smoke suppression. Polyfill/PolyJet alumina trihydrate products are tightly controlled by Cimbar Performance Minerals ISO 9001:2015 quality program.

TYPICAL PHYSICAL PROPERTIES

	Polyfill 402	Polyfill 403
Median Particle Size (microns)	3	4
Retained on 325 mesh screen (%)	0.0	0.0
Retained on 200 mesh screen (%)	0.0	0.0
Retained on 100 mesh screen (%)	0.0	0.0
Oil Absorption (mil/110g)	30	40
Specific Gravity	2.42	2.42
Bulk Density, Loose (lb./ft3)	38	40
Bulk Factor (gal/lb.)	.0495	.0495
Free Moisture (%)	.80	.80
Hunter “L” Brightness*	98	98

TYPICAL CHEMICAL COMPOSITION

Aluminum Oxide (Al_2O_3)	64.900
Silica (SiO_2)	00.010
Ferric Oxide (Fe_2O_3)	00.009
Soluble Soda Max. (Na_2O)	00.050
Total Soda Max.	00.300
Loss on Ignition (LOI) (H_2O)	34.600

*Performed on HunterLab UltraScan Pro unit

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