



MEDIUM GRIND POLYFILL SERIES

Cimbar Performance Minerals medium grind series Polyfill alumina trihydrate products are specially produced for thermoset plastic and CASE applications that require high loading levels with increased surface area for improved flow and surface finish properties. The increased loading levels with use of medium 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 301	Polyfill 302
Median Particle Size (microns)	10	12
Retained on 325 mesh screen (%)	0.5	2.0
Retained on 200 mesh screen (%)	0.0	0.1
Retained on 100 mesh screen (%)	0.0	0.0
Oil Absorption (mil/110g)	28	33
Specific Gravity	2.42	2.42
Bulk Density, Loose (lb./ft ³)	43	45
Bulk Factor (gal/lb.)	.0495	.0495
Free Moisture (%)	.50	.50
Hunter "L" Brightness*	97	97

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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