



INTERMEDIATE GRIND POLYFILL SERIES

Cimbar Performance Minerals intermediate Polyfill series alumina trihydrate products are specially produced for thermoset plastic/CASE applications that require high loading levels. Compounders using intermediate Polyfill series products are able to achieve maximum loading levels with acceptable physical properties. The increased loading levels with use of intermediate Polyfill series 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 203	Polyfill 204
Median Particle Size (microns)	13	15
Retained on 325 mesh screen (%)	6.0	8.0
Retained on 200 mesh screen (%)	0.4	0.5
Retained on 100 mesh screen (%)	0.0	0.0
Oil Absorption (mil/110g)	26	30
Specific Gravity	2.42	2.42
Bulk Density, Loose (lb/ft ³)	49	51
Bulk Factor (gal/lb)	.0495	.0495
Free Moisture (%)	.50	.50
Hunter "L" Brightness*	98	98

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



Cimbar Performance Minerals
49-O Jackson Lake Rd.
Chatsworth, GA 30705
Rev. (02-17-21) MLC