



CUSTOM GRINDERS SALES, INCORPORATED

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POLYFILL 405

Custom Grinders Polyfill 405 alumina trihydrate product is a highly controlled, classified product. Polyfill 405 is used in plastic and specialty chemical applications. Polyfill 405 has very high level of uniform distribution. This improves the processability of the product in applications that typically do not use alumina hydrate. The high brightness is acceptable for certain chemical applications where alumina hydrate products could be used. Polyfill 405 improves surface finish qualities, while also allowing high loading levels. Polyfill 405 offer excellent flame retardance and smoke suppression. Polyfill 405 is tightly controlled by Custom Grinders Sales quality assurance program.

TYPICAL PHYSICAL PROPERTIES

Polyfill 405

Average Particle Size (Microns)	4-6
Retained on 325 Mesh (%)	0.0
Retained on 200 Mesh (%)	0.0
Retained on 100 Mesh (%)	0.0
Oil Absorption (mil/100g)	41
Specific Gravity	2.42
Bulk Density, Loose (lb/ft ³)	41
Bulk Factor (gal/lb)	.0495
Free Moisture (%)	.30
GE Brightness	93

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 (Na ₂ O)	00.010
Total Soda	00.250
Loss on ignition (H ₂ O)	34.600

Packaging is available in 50 pound bags and 2000 pound semi-bulk bags.

Statement - Information given is based on data which are believed to be reliable. Custom Grinders cannot assume responsibility for any risks or liabilities which may arise from use of its products. No patent liability is assumed to any method, use or formulas. Data subject to change.
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