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Onyx Elite® 105 ALUMINUM HYDROXIDE (ATH)

DESCRIPTION

Onyx Elite® 105 alumina trihydrate is a color controlled high purity and extremely translucent flame retardant. The processing and physical properties of Onyx Elite 105 are exceptional, providing a rapid wet-out and coarse particle size. Huber's engineering assures consistency in whiteness, purity and particle size. These are the properties which directly affect the color, translucency, and gel time of cast polymer products.

TYPICAL CHEMICAL ANALYSIS

Al(OH) ₃ , %	99.6
SiO ₂ , %	0.001
Fe ₂ O ₃ , %	0.008
Na ₂ O (total), %	0.1
Na ₂ O (soluble), %	0.02
Loss on ignition (1000°C), %	34.6
Free Moisture (105°C), %	0.1

TYPICAL PHYSICAL PROPERTIES

Screen Analysis	
% on 325 mesh	62
% through 325 mesh	38
Median Particle Diameter, microns	95
Surface Area (m ² /gm)	0.3
Specific Gravity (gm/cm ³)	2.42
Bulk Density – packed (gm/cm ³)	1.5
Bulk Density-loose (gm/cm ³)	1.21
Color – L*	85

* Measured via Datacolor SF Plus, wet method

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