

Hymod[®] SB336 SE

Aluminum Hydroxide (ATH)

DESCRIPTION

Hymod[®] SB336 SE is a medium particle size, surface treated ATH product that provides functional reinforcement, flame retardancy and smoke suppression in epoxy compounds. Hymod SB336 SE improves mechanical properties, air release and water resistance of polymer composites. The unique particle size distribution is specifically designed for low viscosity, high loading, and excellent processing characteristics.

TYPICAL CHEMICAL ANALYSIS

Al(OH) ₃ , %	99.6
SiO ₂ , %	0.005
Fe ₂ O ₃ , %	0.007
Na ₂ O (total), %	0.2
Na ₂ O (soluble), %	0.025
Loss on ignition (1000°C), %	34.6

TYPICAL PHYSICAL PROPERTIES

Screen Analysis	
% on 100 mesh	0
% on 200 mesh	0
% on 325 mesh	11
% through 325 mesh	89
% less than 10 microns	32
Median Particle Diameter, microns	15.7
BET Surface Area (m ² /gm)	1.3
Specific Gravity (gm/cm ³)	2.42
Bulk Density - loose (gm./cm ³)	0.75
Bulk Density – packed (gm/cm ³)	1.36
TAPPI Brightness*	94.40

* TAPPI Brightness measured with a Hunterlab Colorimeter