



FIRE RETARDANT ADDITIVES

NEW

MOLDX[®] A300

Optimized Alumina Trihydrate

Safe. Sustainable. Efficient.

Reduce Resin Consumption with Huber's Newest Halogen-Free Fire Retardant Technology Designed for Thermoset Composite Applications

Product Description

MoldX[®] A300 optimized alumina trihydrate (ATH) provides dramatically improved processing viscosities to sheet molding compounds (SMC) at loadings ranging from 250 phr to greater than 350 phr. The unique characteristics of MoldX[®] A300 makes it our highest quality "low viscosity" grade in terms of fire retardancy and color excellence. The high loading levels allow for the elimination of halogenated resins and additives typically used to pass conventional flame-retardant certification tests such as UL 94V-O, UL94 5VA, Dockett 90, or ASTM E84 Class A ratings. The elimination of halogens from SMC formulations result in greatly reduced smoke generation, allowing compounds to pass UL 723.



Applications

- Sheet Molding Compounds (SMC)
- Bulk Molding Compounds (BMC)
 - Hand Lay-Up
 - Epoxy
 - Polyurethanes
 - Spray-Up
- Wet-Mat Molding



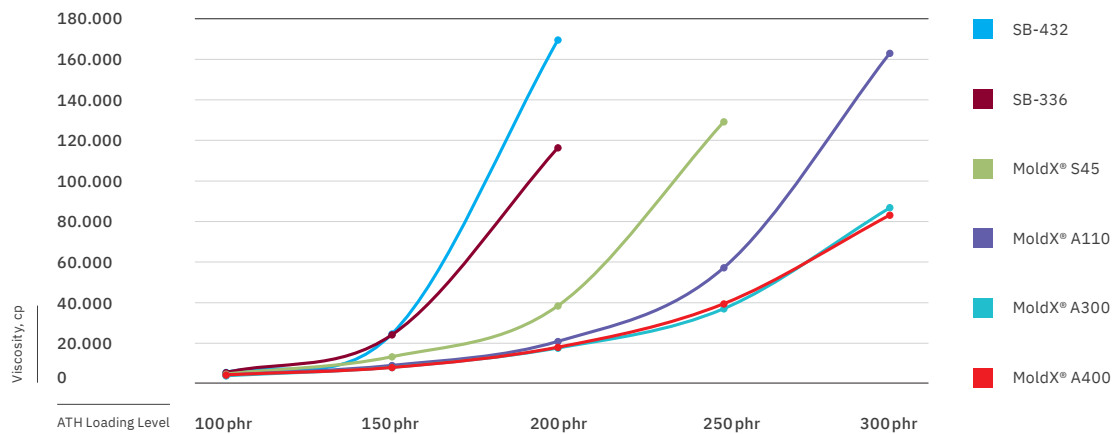
Typical Physical Properties

Median Particle Diameter, Microns	10
% Less than 10 microns	52
% Through 325 Mesh	62
Loss on Ignition (1000°C), %	34.6
Surface Area (m ² /gm)*	1.8
Specific Gravity (gm/cm ³)	2.42
Loose Bulk Density (gm/cm ³)	0.86
TAPPI Brightness**	91

*As measured with a Quantachrome monosorb surface area analyzer (BET)

**TAPPI Brightness measured with a Hunterlab Colorimeter

MoldX® A300 Outperforms Brookfield Viscosity @ 10 RPM @ 35°C



Superior Technical Expertise and **Customer Care**

Huber's unsurpassed technical support is its foundation in developing innovative fire retardant additives like MoldX A300 Optimized Alumina Trihydrate that meets the exacting requirements for your application.

Huber also offers customer service second-to-none, and we look forward to helping you learn more about MoldX A300. For more information or to order samples, contact us today.

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