

Product Bulletin

supresta[™]
BUILT-IN DEFENSE

Fyrol[®] A300TB

Fyrol[®]
Flame Retardants

Chemical Name: Proprietary composition

Overview

Fyrol[®] A300TB is an additive flame retardant extensively used in the polyurethane industry.

Fyrol Product Selector

	Key polyurethane foam application	Key characteristic
6	Rigid, flexible—flame lamination	Reactive flame retardant.
38	Flexible	Low scorch.
FR-2	Flexible	Excellent hydrolytic stability, low volatility, low fogging, and processing characteristics.
FR-7	Flexible	Good compression set, IFD and scorch properties, low volatility, low scorch, and good processing characteristics.
HF-4	Flexible	Halogen-free, low scorch with good compression set and IFD properties. Recommended for Cal 117 and MVSS 302 foams.
PCF	Rigid, flexible-BS5852	Excellent hydrolytic stability.
PNX	Flexible	Highly efficient halogen-free flame retardant.
TEP	Rigid	Halogen-free flame retardant, excellent viscosity reducer for high viscosity polyols.

Key Applications

Fyrol[®] A300TB is a Phenol and TPP free additive flame retardant used in polyurethane foams. Its major application is in automotive PU foams, where low fogging, Phenol and TPP free is required. Its superiority is demonstrated in excellent hydrolytic stability, low volatility, and processing characteristics, which enable it to be incorporated into formulations with little or no effect upon foam processing.

Typical Properties

Physical appearance	clear, transparent liquid
Color, APHA	50
Phosphorus content	7.1%
Chlorine content	47.0%
Water content	0.01% w/w
Acidity	0.02 mg KOH/g
Viscosity at 25°C	1050 mPa.s
Density at 25°C	1480 kg/m ³
Boiling point	326°C
Melting point	< 20°C
Flash point (COC)	> 230°C
Autoignition temperature	> 500°C
Water solubility at 20°C	18 mg/l

Storage

This product exists below its natural melting point and can crystallize when stored in cold conditions. The incidence of this is not frequent. To prevent this from happening, the product should be stored at a minimum temperature of 20°C.

Safety & Handling

Consult the Material Safety Data Sheet for this product.

Shipping Information

Available in bulk tank trucks, 1400 kg IBC, and 300 kg drum.

For more information about our products and to place an order, please contact one of Supresta's regional sales offices.

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