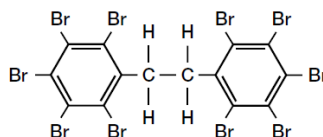


SAYTEX® 8010 FLAME RETARDANT

DESCRIPTION

Ethylene-1,2-bis(pentabromophenyl)

SAYTEX 8010 flame retardant is a non-diphenyl oxide based product containing a high level of aromatic bromine.



APPLICATIONS

SAYTEX 8010 flame retardant can be used in a wide range of high performance applications. In particular it finds use in styrenic polymers, engineering resins, wire & cable and elastomers.

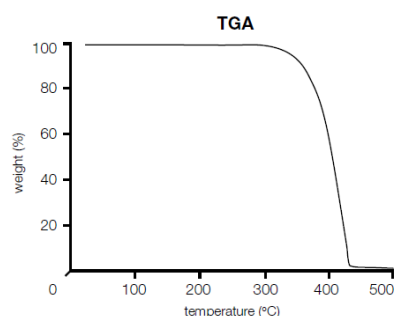
BENEFITS AND FEATURES

SAYTEX 8010 flame retardant has very good thermal stability and high bromine content making it a prime candidate for high temperature applications. It exhibits good UV resistance and hence is suitable for use in many applications requiring color stability. Because of its very good thermal stability and low blooming characteristics, SAYTEX 8010 flame retardant is suitable for use in systems where recycling is anticipated. SAYTEX 8010 flame retardant is not acutely toxic, it is not teratogenic, and it is not harmful to fish. SAYTEX 8010 flame retardant can be used in the formulation of products meeting European dioxin ordinances.

TYPICAL PROPERTIES*

% Bromine (theoretical)	82.3
Initial melting point (by DSC), °C	350
Molecular weight	971.2
Appearance/form	White/powder
Specific gravity	3.25
Dielectric constant (18 GHz in LLDPE resin)	2.37
Dissipation factor (10 GHz)	0.001

TYPICAL PROPERTIES*



Bulk density (Hosokawa powder tester, lb/ft ³ , [Kg/m ³])	
Packed	110 [1760]
Aerated	54 [868]
Average particle size (μ)	5
Refractive index	1.864
Solubility (weight % at 25°C)	
Water	< 0.01
Acetone	< 0.01
Methanol	< 0.01
Toluene	< 0.01
Chlorobenzene	< 0.01
Methylene Dibromide	< 0.01
Dimethyl Formamide	< 0.01
TGA (TA Instrument model Q500, 10°C/min, under N ₂)	
1% weight loss, °C	347
5% weight loss, °C	384
10% weight loss, °C	401
50% weight loss, °C	446
90% weight loss, °C	554

*These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.

SHIPPING INFORMATION

Container Information: Packaging and minimum order information is available from sales or customer service.

Transportation Classification: Not regulated for transportation

CHEMICAL REGISTRATION NUMBERS

CAS: 84852-53-9
EINECS: 84852-53-9
MITI: 4-1735

RESPONSIBLE CARE

Albemarle is committed to the safety and well-being of our customers, employees and the community at large. Safety Data Sheets (SDS) are available upon request.



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