

Flame retardant for polymer

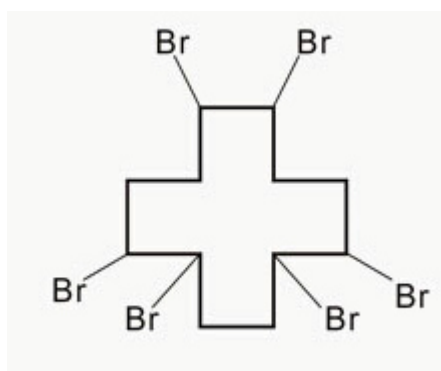
Flame retardant

1. General

TY CHEM TY104 The Hexabromocyclododecane series products produced by our company, including melting point products, high melting point products and thermal-stable products, are mainly used for EPS (Expanded Polystyrene, reference dosage 2% HBCD), Polypropylene Fibers (Reference dosage 2% HBCD, 1% Antimony Trioxide), XPS (Extruded Polystyrene) and other Styrene resins, which can better demonstrate its excellent performance. In addition, it can be used for the plastic flame-retardant additives such as HIPS, PP, cable material, polyester fiber, acrylic fiber, polyester fiber, polypropylene and other polycarbonates, also is applicable to the coatings, textiles, adhesives, styrene-butadiene rubber, epoxy resin and unsaturated polyester resins for flame-retardant treatment.

2. Properties

Structure



CAS name	:	1,2,5,6,9,10-Hexabromocyclododecane (HBCD)
CAS no.	:	3194-55-6
Molecular formula	:	C ₁₂ H ₁₈ Br ₆
Molecular weight	:	641.7

3. Physical Data

Appearance	:	White powder
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	178 -- 185 C min-

4. Solubility

(g in 100 ml solvent @25 °C)

Methanol	:	<0.01
Water	:	<0.01
Methylene chloride	:	<0.01
Toluene	:	<0.01
DMF	:	<0.01
Methyl ethyl ketone	:	<0.01



PRODUCT DATA SHEET
TY CHEM TY104
WWW.TYCHEMGROUP.COM

Flame retardant for polymer

Flame retardant

5. Specification

Appearance	:	White powder
Melting point	:	178--185 · C min
Bromine content	:	74--75% min.
Volatility	:	0.5% max.