

Flame retardant Plamtar-HBCD

Chemical name: HexaBromoCyclodoDecane

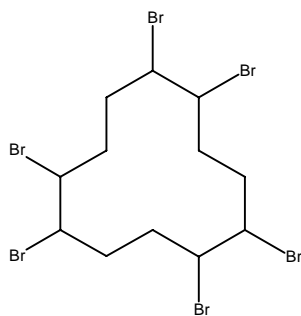
Equivalent: SAYTEX HP-900 (Albemarle)/ SP-75 (Chemtura)/ FR-1206 (Dead Sea)

Molecular formula: C₁₂H₁₈Br₆

Molecular weight: 641.7

CAS No.: 3194-55-6

Structural formula:



PHYSICAL PROPERTIES

Appearance: White powders

Melting range: 180 °C min

Solubility (g/100g solvent), @25 °C

Water: *Insoluble*

Glycerin: *Soluble*

Flash point: Not available

Specific gravity (g/cm³), @20 °C: 2.24

Acetic acid: *Soluble*

Formaldehyde: *Soluble*

SPECIFICATIONS

	HM	NM
Appearance	White powders or granules	White powders or granules
Melting point (°C)	185 ~ 195 min	178 ~ 185
Bromine content (%)	74.0 ~ 75.0	74.0 ~ 75.0
Volatile(%), @105 °C, 2h	0.5 max	0.5% max
Color (Hazen)	30 max	30 max

APPLICATIONS

Plamtar-HBCD flame retardants are particularly suited for providing flame retardancy to expanded polystyrene (EPS) foam; extruded polystyrene foam (XPS) and textile back coatings that are used extensively in the building and construction industry. Plamtar-HBCD additives exhibit high efficiency at low use levels while making building insulation and textiles flame resistant.

PACKING

25kg net bag