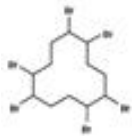
Hexabromocyclododecane(HBCD)

Description

Product Name : Hexabromocyclododecane(HBCD)
Equivalent Name : Albermarle Saytex HP-900; Chemtura CD-75 ,SP-75; Dead Sea FR-1206
Cas No. : 3194-55-6
Molecular Weight : 641.7



Application

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

Benefits and Features

It contains a high amount of alicyclic bromine. Its cyclo aliphatic nature results in a low melting point and high solubility in common solvents. It is possible to achieve transparent flame retardant formulations with HBCD flame retardant . It can be used without the addition of Sb2O3 material. Its high bromine content allows reduced loadings and its low melting point provides melt processability, resulting in minimal effect on the mechanical properties of formulated systems.

Typical Properties

Appearance ..... white powder.
Purity %..... 99 min.
Bromine %..... 74 min.
Melt point ℃... 180 min.
Volatile% ..... 0.3 max.

TGA

1% weight loss ..... 215℃
5% weight loss ..... 244℃
10% weight loss ..... 255℃
50% weight loss ..... 269℃
90% weight loss ..... 274℃

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

Transportation classification: No regulated for transportation.
Packing: 25kg/bag; 1mt/pallet; 20mt/20'FCL

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