

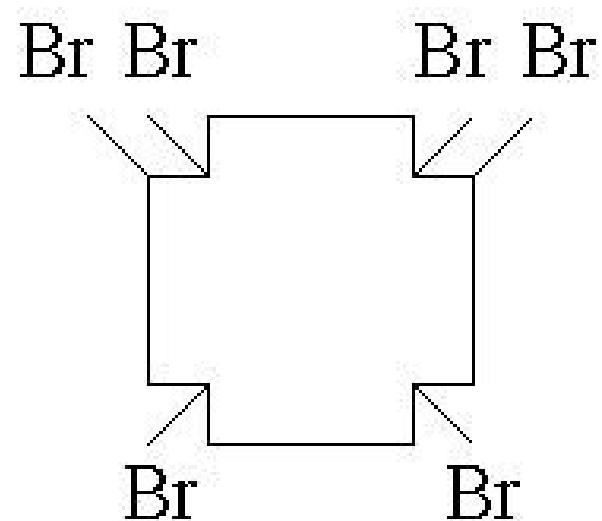
HBCD

Hexabromocyclododecane (HBCD-75X)

+brief instruction→

HBCD-75X is a alicyclic flame retardant which has high bromine content. Its low filling property has a little effect on polymer's function, so as to guarantee the polymer's goods function.

HBCD-75X is produced by reprocessing HBCD-75. Its ultrafine particles ability can fulfil the request of speedy dissolution.



+Use→

HBCD-75X mainly uses in those thermoplasticity and thermoset high molecular polymer which have flame-resistant request, especially suitable for the oil paint and the textile coating. The product has great quality when uses in polystyrene foam (EPS), the oxygen index (OI) may higher than 30 and reaches the stated self extinguishing standard. Meanwhile the product also has many advantages for other polymer systems, such the great heat stability, low addition level, and do not need to add other assistant flame retardant (Such as antimony oxide).

+Characteristic→

1. Molecular formula	$C_{12}H_{18}Br_6$
2. Molecular weight	641.7
3. Specific gravity	2.24
4. Appearance	white or off-white powder crystal
5. Melting point range	180 -190 °C
6. Bromine content (frame of reference)	75 % (wt)

+Specification→

1. HBCD total content	□99%
2. Melting point	□180°C
3. Bromine content	□73%(wt)
4. Volatile matter content (105°C.hrs)	□0.5%(wt)
5. Average particle size	3 - 4 μm

+Solubility→

Water 0.1, Methanol 1

Toluene 12, Butanone 18

Styrene 8, Methyl chloride 4

at 25°C(g/100g solvent)

+Packing→

25kg net weight bag