



EcoFlameRetardant-B-641

HEXABROMOCYCLODODECANE

Chemical Name: Hexabromocyclododecane

Brand Name: EcoFlameRetardant B-641

Equivalent Brand: CD-75P

CAS NO.: 3194-55-6

Chemical formula: C₁₂H₁₈Br₆

Molecular Weight: 641.7

Application:

EcoFlameRetardant B-641 has a very high aliphatic bromine content resulting in lower loading and minimum effect on polymer physical properties. It is an additive flame retardant used in a wide range of plastics as well as textiles, adhesives and coatings. It is particularly recommended for styrene based systems such as expanded and extruded polystyrene foams.

Particularly, EcoFlameRetardant B-641 is applicable to EPS (Expandable Polystyrene). For application where high processing temperatures are used, a thermal stabilized grade- EcoFlameRetardant B-641TS, High melting point grade-B-641 HM, thermal stabilized and high melting point grade-B-641TM is also available.

It is also available in powder and granular form.

Technical Data Sheet

Analysis Item	Standard	Analysis Result
Appearance	White powder	White powder
Bromine Content Ob	74min	74.2
Volatile Content Ob	2 hours 1050 0.3%max	0.2
Melting Point D	180min	184-194
Particle Size 80 Mesh Passed %	95	100
Purity Ob	99min	99.2

Packing:

EcoFlameRetardant B-641 is packed in 25kg paper bag, 40 bags on pallet, or Jumbo bag. Total 20Mt per 20'FCL.

Note: Granular form EcoFlameRetardant B-641G is also available.