



EcoFlameRetardant-B-641TS

### HEXABROMOCYCLODODECANE

**Chemical Name:** Thermal Stabilized Hexabromocyclododecane

**Brand Name:** EcoFlameRetardant B-641TS

**Equivalent Brand:** SP-75

**CAS NO.:** 3194-55-6

**Chemical formula:** C<sub>12</sub>H<sub>18</sub>Br<sub>6</sub>

**Molecular Weight:** 641.7

#### Application:

EcoFlameRetardant B-641TS is a stabilized grade. It shows good thermal stability and provides excellent performance at low loading levels with minimum effect on polymer properties at higher processing temperatures.

EcoFlameRetardant B-641TS is recommended as an additive flame retardant for critical thermoplastic and thermosetting polymer applications requiring slightly higher thermal stability than EcoFlameRetardant B-641. It is the product of choice for EPS (expanded polystyrene foam) and other styrene-based resin systems where improved melt viscosity stability is needed in processing.

#### Technical Data Sheet

Analysis Item	Standard	Analysis Result
Appearance	White powder	White powder
Bromine content $\Phi$	73.5min	73.6
Volatile content $\Phi$	2 hours 1050 0.2%max	0.15
Melting point	180min	180190
Particle size mesh	95	95
Purity $\Phi$	99min	99.1

Packing:

EcoFlameRetardant B-641TS is packed in 25kg paper bag, 40 bags on pallet, or Jumbo bag.

Total 20Mt per 20'FCL.