



EcoFlameRetardant-B-641TC

**HEXABROMOCYCLODODECANE**

**Chemical Name:** EcoFlameRetardant B-641 for Textile and Coating

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

**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-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.

EcoFlameRetardant B-641TC is tailor-made with better flow and dispersion for textile and coating fields.

**Technical Data Sheet**

Analysis Item	Standard	Analysis Result
Appearance	White powder	White powder
Bromine content %	74min	74.2
Volatile content $\phi$	2 hours 1050 0.3%max	0.2
Melting point D	180min	184-194
Particle size $\mu$ m	010	1-2
	050	3-5
	090	7-13
Purity $\phi$	99min	99.2

**Packing:**

EcoFlameRetardant B-641TC is packed in 25kg paper bag, 32 bags on pallet.

Total 16Mt per 20'FCL.