



EcoFlameRetardant-B-971

DECABROMODIPHENYL ETHANE

Chemical Name: Decabromodiphenyl Ethane

Brand Name: EcoFlameRetardant B-971

Equivalent Brand: Saytex 8010

CAS NO.: 84852-53-9

Chemical formula: C₁₄H₄Br₁₀

Molecular Weight: 971.23

Application:

EcoFlameRetardant B-971 has very good thermal stability and high bromine content, making it a prime candidate for high temperature applications. It exhibits good UV resistance and hence is suitable for use in many applications requiring color stability.

Because of its very good thermal stability and low blooming characteristics, it can be used in a wide range of high performance applications. In particular, it finds use in styrenic polymers, engineering resins, wire & cable, and elastomers.

EcoFlameRetardant B-971 is suitable for use in systems where recycling is anticipated. It is not acutely toxic and teratogenic, non-harmful to the environment, and can be used in the formulation of products meeting European dioxin ordinances.

Technical Data Sheet

Items	Specification	Analysis result
Appearance	White powder	White powder
Bromine content %	81 min	81.89
Whiteness %	88 min	92.1
Melting point D	345 min	345
Moisture %	0.01 max	0.006
Free bromine ppm	20 max	Absent
Particle size μm	3 max	1.70

Packing:

EcoFlameRetardant B-971 is packed in 25kg paper bag, 40 bags on pallet, or Jumbo bag, total 20Mt per 20'FCL.

Note: Granular form EcoFlameRetardant B-971G is also available.