

Flame retardant for polymer

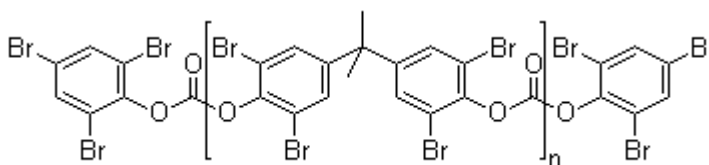
Flame retardant

1. General

TY CHEM TY114 BC58 is a brominated, aromatic flame retardant for thermoplastic resin systems. BC58, a white powder, offers excellent thermal stability, good UV stability and color in the final part. BC58 is a suitable flame retardant in PBT, PET, PBT/PET blends, PC, ABS, ABS/PC blends, Polysulfone and SAN. The UV stability of BC58 allows it to be formulated for applications subjected to indoor fluorescent and casual outdoor sunlight exposure. In addition, BC58's high purity makes it a solid choice for applications requiring excellent electrical and thermal properties.

2. Properties

Structure



CAS name	:	Carbonate oligomer of Tetrabromobisphenol A(BC58)
CAS no.	:	71342-77-3
Molecular formula	:	(C ₇ H ₂ Br ₃ O ₃)(C ₁₆ H ₁₀ Br ₄ O ₃) _X (C ₆ H ₂ Br ₃) X=3-5
Molecular weight	:	

3. Physical Data

Appearance	:	White powder
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	220-230°C
Soft point	:	200-220°C
Weight Loss (1%)	:	≥380°C

4. Solubility

(g in 100 ml solvent @25°C)

Methanol	:	<0.01
Water	:	<0.01
Methylene chloride	:	<0.01
Toluene	:	<0.01
DMF	:	<0.01
Methyl ethyl ketone	:	<0.01

5. Specification



PRODUCT DATA SHEET
TY CHEM TY114
WWW.TYCHEMGROUP.COM

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Appearance	:	White powder
Melting point	:	220-230°C
Bromine content	:	58% min.
Volatility	:	0.5% max.