

Flame retardant for polymer

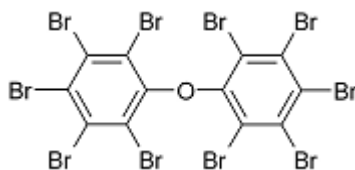
Flame retardant

1. General

TY CHEM TY102 is a kind of broad-spectrum, high efficiency fire retardant with the features of low additive quantity. It is widely used in rubber, textile, electronic, plastic industry etc. Especially used in polyethylene polypropylene, ABS resin, PBT resin and rubber fiber etc.

2. Properties

Structure



CAS name	:	DECABROMODIPHENYL OXIDE
CAS no.	:	1163-19-5
Molecular formula	:	C ₁₂ Br ₁₀ O
Molecular weight	:	959.2

3. Physical Data

Appearance	:	White powder
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	300 · C min
Whiteness (≥)	:	93
Free Br (ppm)	:	≤10
Fe (ppm)	:	10
Al (ppm)	:	50

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

Appearance	:	White powder
Melting point	:	300 · C min
Bromine content	:	82% min.
Particle size (average)	:	5 um max.



PRODUCT DATA SHEET
TY CHEM TY102
WWW.TYCHEMGROUP.COM

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Volatility : 0.1% max.