

Flame retardant for polymer

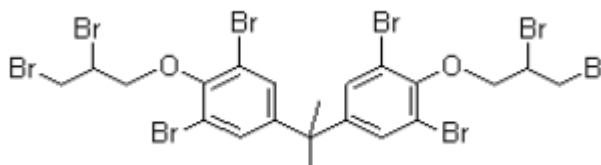
Flame retardant

1. General

TY CHEM TY108 is an additive flame retardant containing both aromatic and aliphatic bromine. BDDP is suitable for polyolefin(PP, PE) and styrenic resins and it is especially recommended for UL-94 class V-2. It is also applicable in class V-0 polypropylene. BDDP is cost efficient and allows good physical properties of the resin to be maintained

2. Properties

Structure



CAS name	:	Bis(2,3-dibromopropyl ether) of TBBA (BDDP)
CAS no.	:	21850-44-2
Molecular formula	:	C ₂₁ H ₂₀ Br ₈ O ₂
Molecular weight	:	943.8

3. Physical Data

Appearance	:	White powder or granular
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	102-110 °C min

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 or granular
Melting point	:	102-110 °C min
Bromine content	:	67% min.
Volatility	:	0.3% max.