

Flame retardant for polymer

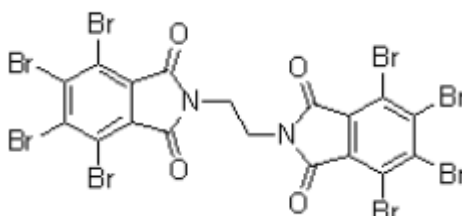
Flame retardant

1. General

TY CHEM TY105 is mainly used in polyolefins, high-impact polystyrene (HIPS), thermoplastic polyesters (PBT, PET, ETC.), polycarbonate and elastomers. It has outstanding thermal and UV stability. It is also non-blooming and has excellent wet electrical properties.

2. Properties

Structure



CAS name	:	Ethylenebistetra-bromophthalimide
CAS no.	:	32588-76-4
Molecular formula	:	C ₁₈ H ₄ N ₂ O ₄ Br ₈
Molecular weight	:	951.5

3. Physical Data

Whiteness		≥ 85
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	470 · C min
Acid Number (H + mg/g):		≤ 0.1

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	:	470 · C min
Bromine content	:	65.5% min.



PRODUCT DATA SHEET
TY CHEM TY105
WWW.TYCHEMGROUP.COM

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Particle size (average) :	≤5 um max.
Volatility :	0.5%(180 C min)and 1.2% (315 C min) max.