

Flame retardant for polymer

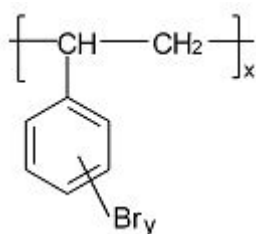
Flame retardant

1. General

TY CHEM TY109 is particularly suitable for engineering plastic applications such as polyesters(PET,PBT,PCT)and polyamides(nylons). Due to its thermal stability, it can often be used where other flame retardants fail to survive. Due to its polymeric structure, it is nonblooming in all applications. Excellent electrical properties provide yet another reason to choose this flame retardant for demanding engineering plastic applications.

2. Properties

Structure



CAS name	:	Brominated Polystyrene
CAS no.	:	88497-56-7
Molecular formula	:	(C ₈ H _{5.3} Br _{2.7}) _n
Molecular weight	:	

3. Physical Data

Appearance	:	White or light yellow flakes/powder
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	260-340C m
Soft point	:	210-240°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

Appearance	:	White or light yellow flakes/powder
Melting point	:	260-340 C min



PRODUCT DATA SHEET
TY CHEM TY109
WWW.TYCHEMGROUP.COM

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Bromine content	:	68% min.
Volatility	:	0.5% max.

6. Package:

25KGS/BAG or 1000KGS/BAG