

PDBS-80™

Halogenated Flame Retardant

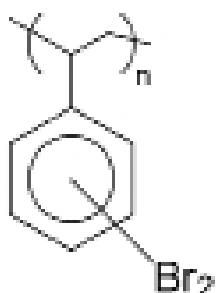
PDBC-80™ is a polymeric flame retardant for polyamides and thermoplastic polyesters (PBT and PET). **PDBS-80™** is a homopolymer of dibromostyrene and is in a pellet form for ease of handling and improved worker hygiene.

Poly(dibromostyrene)

CAS Reg. Number [88497-56-7]

The key performance features of PDBS-80™ include:

- Pellet form for ease of handling.
- Excellent thermal/color stability
- Superior flow in glass filled V-0 polyamide formulations



TYPICAL DATA:

Typical Properties of PDBS-80™	
Appearance	Amber Pellets
Average Molecular Weight	~ 60,000
Bromine Content, %	59
Glass Transition Temperature, °C	144
Specific Gravity @ 25 °C, g/ml	1.9
Bulk Packed Density @ 25 °C, g/ml	1.11

Thermogravimetric Analysis (10 mg @ 10 °C/minute under N ₂)				
Weight Loss, %	5	10	50	95
Temperature, °C	368	378	404	544

Solubility (g/ 100 g Solvent)			
Water	< 0.1	Toluene	Complete
Methylene Chloride	Complete	Methyl Ethyl Ketone	2
Methanol	< 0.1	Acetone	Partial

For additional handling and toxicological information, consult the Material Safety Data Sheet.

Handling Information

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt.



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