

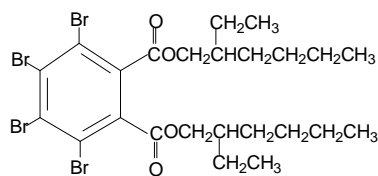
DP-45™

Halogenated Flame Retardant

DP-45™ is a liquid flame retardant plasticizer for polyvinylchloride, adhesives, coatings and elastomers including SBR, Neoprene and EPDM.

Tetrabromophthalate Ester

CAS Reg. Number [26040-51-7]



Typical Properties of DP-45™

Appearance	Clear Amber Liquid
Bromine Content, %	45
Specific Gravity @ 25 °C, g/ml	1.6

Viscosity

Temperature, °C	10	21	32	43
Viscosity, cps	5,800	3,680	820	420

Thermogravimetric Analysis (10 mg @ 10 °C/minute under N₂)

Weight Loss, %	5	10	50	95
Temperature, °C	211	226	268	291

Solubility (g/ 100 g Solvent)

Water	< 0.1	Toluene	Complete
Methylene Chloride	Complete	Methyl Ethyl Ketone	Complete
Methanol	5.7		

DP-45™ is especially recommended as a flame retardant plasticizer for PVC applications such as wire and cable insulation, coated fabrics, film and sheeting. DP-45™ is proven to be extremely effective in PVC jacketing for wire and cable meeting the plenum (UL910) standards. DP-45™ can be used alone or, where allowed, in combination with antimony trioxide.

DP-45™ offers the following advantages:

- High flame retardant efficiency
- Good electrical and thermal properties
- Good plasticizing properties and compatibility with primary plasticizers

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.

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

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