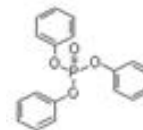


Description

Product Name	: Triphenyl Phosphate(TPP)
Equivalent Name	: Phosflex TPP; Reofos TPP;Disflamoll TP
Cas No.	: 115-86-6
Molecular Weight	: 326.29
Molecular Formula	: C ₁₈ H ₁₅ O ₄ P



Application

TPP is a non-halogen flame retardant plasticizer for phenolic resin-based, copper clad laminate, cellulose resin, vinyl resin and rubber, and some engineering plastics such as PPO.

Benefits and Features

It is a highly efficient reactive aromatic bromine source. In some cases It's derivatives can be substituted for higher bromine-containing flame retardants , allowed for the highest level of bromine to be reacted into unsaturated polyesters at comparable monomer levels.

Typical Properties

Appearance	White flaky crystal.
Content %.....	99 min.
Color (APHA)	80 max.
Acid Value (mg KOH/g)	0.1 max.
Water content (wt.) %.....	0.1 max.
Density (25°C,g/cm ³).....	1.200±0.010
Free Phenol (ppm).....	200 max.
Phosphorus content (wt. theory) %	9.5
Melting point °C	48 - 50
TGA	
1% weight loss	198°C
5% weight loss	231°C
10% weight loss	247°C

These properties are typical but do not constitute a specification either in part or as a whole.
Specification data is available on request from sales, customer service or customer technical service.

Shipping Information

Transportation classification: not regulated for transportation
Packing: 25kg net in nylon-lined kraft paper bag.

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Velchem. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patents.

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