

Reofos[®] 65

Phosphorus Flame Retardants

Description

Flame retardant plasticizer used primarily in flexible PVC and phenolic resin.

Chemical Composition

Isopropylated triphenyl phosphate

CAS Registry Number

68937-41-7

Appearance

Clear, almost colorless liquid.

Solubility

Soluble in many organic solvents like toluene, methanol, acetone, MEK, also compatible with polyether and polyester polyol as well as with all common plasticizers. Insoluble in water.

Typical Properties*

Property	Nominal Value	Unit
Phosphorus content, calculated	8.3	%
Acid value	max. 0.1	mg KOH/g
Water content	max. 0.1	%
Hazen color value	max. 75	#
Index of refraction n_D 25	1.551	#
Density at 20 °C	1.15 - 1.17	g/cm ³
Viscosity at 25 °C	64 - 76	mPa·s

*The analytical data are guide values.



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Application

Reofos[®] 65 is recommended as a flame retardant for flexible PVC, flexible polyurethanes, cellulosic resins and synthetic rubber. Reofos[®] 65 is also recommended as a flame retardant processing aid for engineering resins, such as modified PPE, polycarbonate and polycarbonate blends.

Packaging

Road tanker, container, IBC, drum.

Storage conditions

If stored correctly, the product has a minimum shelf life of 24 months.

Handling

Consult the safety data sheet for relevant safety data & references as well as possibly necessary warning labels.

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