



FaRetar Flame Retardant Technology Co., Ltd.

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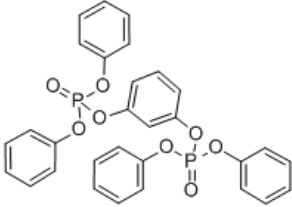
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FARETAR™ RDP

Tetraphenyl m-phenylene bis(phosphate)

Product description

FARETAR™ RDP is a halogen-free phosphorus flame retardant, which has high temperature resistance and low viscosity and is suitable for processing most thermoplastic resins as an additive.

Molecular Structure	
Chemical Name	(2,3,4,6-tetraphenyl-5-phosphonatoxy-phenyl) phosphate
Formula	C ₃₀ H ₂₄ O ₈ P ₂
CAS Number	57583-54-7
Molecular Weight	570.425
Appearance	Amber/Yellow Translucent Liquid
Density (25°C, g/cm ³)	1.3

Comparable grade

Daihachi CR-733S

Characteristics

- High heat resistance
- Low viscosity
- No migration
- Low volatility

Applications

FARETAR™ RDP can be applied to a variety of high-temperature processing materials, such as PC/ABS, PPO/HIPS, PA, PC, PBT, PET and soft polyurethane foam;

Specification

Item	Specification
Appearance	Amber/Yellow Translucent Liquid
Phosphorus content (wt, %)	10.78
Color (APHA)	≤100
Acid Value (mg KOH/g)	≤0.1
Water content (wt. %)	≤0.1
Density (25° C, g/cm ³)	1.30±0.01
TGA 5% wt loss, ° C	325
Viscosity (25° C, mPa · s)	500-800
TPP content (wt, %)	≤5.0
Phenol content (ppm)	≤500

*Test method: Q/0783FRT015-2019

Package

250 kg net in iron drum.

Storage

Store the product in a cool, dry, well - ventilated area