

Oceanchem Group Resorcinol bis (Diphenyl Phosphate) (RDP)

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Molecular Formula: C₃₀H₂₄O₈P₂Cas No.: 57583-54-7RDP is a halogen-free phosphorus-based flame retardant. Use: RDP flame retardant provides a halogen-free solution for flame retarding PC/ABS, PPO/HIPS and other polymers. Storage: RDP can be stored in containers made of carbon steel lined with epoxy resin or made of stainless steel away from incompatible materials. Safety and Handling: If it becomes in contact with the eyes, wash with a large amount of water for at least 15 minutes. If it becomes in contact with the skin, wash with cold water or soap water. Appropriate ventilations is required where there is a chance of exposure. Excess exposure to the product should be avoided. Information Provided by Oceanchem Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oceanchem-Group-Resorcinol-bis-Diphenyl-Phosphate-RDP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 - 1.32 g/cc	1.30 - 1.32 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	400 - 800 cP	400 - 800 cP	cPs
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Component Elements Properties	Metric	English	Comments
Phosphorous, P	<= 10.9 %	<= 10.9 %	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Acidity	<0.1	mg KOH/g
CAS Number	57583-54-7	
Color (APHA)	< 100	
Molecular Formula	C ₃₀ H ₂₄ O ₈ P ₂	
Phenol (ppm)	< 200	
TGA (°C)	320	5% weight loss, TA instruments, model 2950, 10°C/min under N ₂
	360	10% weight loss, TA instruments, model 2950, 10°C/min under N ₂
	410	50% weight loss, TA instruments, model 2950, 10°C/min under N ₂

Descriptive Properties	Value	Comments
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