

Manufacturing Insight EFR-3 Enhanced Fire Retardant Additive

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer

Material Notes:

EFR-3 is ideal for incorporation into unreinforced thermoset resin systems, including coatings and foams, potting compounds as well as electronic laminates and other similar applications. EFR-3 has been proven especially successful in phenolic matrices, but also functions well in epoxy and urethane resin systems. When blended into a resin system, EFR-3 will react to heat and/or flame by foaming and forming a thick, high yield char barrier. The char barrier will extinguish fire and prevent further flame spread. Additionally, the char foam insulates and protects the polymer substrate from heat and fire damage. EFR-3 is halogen-free, contains no metals, PBDEs, PBBs or other brominated compounds and does not evolve the highly toxic and corrosive gasses associated with many other fire retardant compounds. EFR-3 is a RoHS/WEEE compliant material. EFR-3 functions at loading levels in the range of 10%-20% by weight. Flame spread and smoke developed values (ASTM E-84) are typically 10/10 and under and are in compliance with UL 94V0, MSC.41 (64) and FAR 25.853.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Manufacturing-Insight-EFR-3-Enhanced-Fire-Retardant-Additive.php

Physical Properties	Metric	English	Comments
Solubility in Water	<= 1.0 %	<= 1.0 %	At 170Â°F
Particle Mesh Size	325 Mesh	325 Mesh	100% through

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	

Descriptive Properties	Value	Comments
Appearance	Very fine free flowing white powder	
Char Activation Temp	300Â°C	
Char Forming Efficiency	99% Minimum	
Purity	98% Minimum	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China