

## Manufacturing Insight EFR-4 Enhanced Fire Retardant Additive

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

### Material Notes:

EFR-4 is ideal for incorporation into urethane resin systems, including coatings, foams and other similar applications. When blended into a resin system, EFR-4 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-4 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 retardants. EFR-4 is a RoHS/WEEE compliant material. EFR-4 functions at loading levels around 30% by weight but specific and individual product testing must be undertaken to qualify the formulation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Manufacturing-Insight-EFR-4-Enhanced-Fire-Retardant-Additive.php](http://www.lookpolymers.com/polymer_Manufacturing-Insight-EFR-4-Enhanced-Fire-Retardant-Additive.php)

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

Descriptive Properties	Value	Comments
Appearance	Very fine free flowing white powder	
Char Activation Temp	240-260°C	
Char Forming Efficiency	99% Minimum	
Purity	98% Minimum	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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