

BASF Luranyl® KR 2454/3 G4 Polyphenylene Ether + Styrene-Butadiene Blend, 20% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether + Styrene-Butadiene Blend, Glass Filled , Styrene-Butadiene

Material Notes:

Glass fiber reinforced grade containing halogen-free flame-retardant; for moldings with high heat resistance and stiffness (e.g. relay parts, controller and switch housings).Data was collected by ISO methods and provided by BASF.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Luranyl-KR-24543-G4-Polyphenylene-Ether-Styrene-Butadiene-Blend-20-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Water Absorption	0.40 %	0.40 %	
Moisture Absorption at Equilibrium	0.15 %	0.15 %	
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	
High Load Melt Index	15 g/10 min	15 g/10 min	
	@Load 21.6 kg, Temperature 250 °C	@Load 47.6 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	90.0 MPa	13100 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	6.50 GPa	943 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
	4.00 J/cm ²	19.0 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	
	1.20 J/cm ²	5.71 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	35.0 µm/m-°C	19.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	
Vicat Softening Point	142 °C	288 °F	
Flammability, UL94	V-1 @Thickness 3.20 mm	V-1 @Thickness 0.126 in	
Oxygen Index	29 %	29 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	3.0 @Frequency 100 Hz	3.0 @Frequency 100 Hz	
	3.0 @Frequency 1e+6 Hz	3.0 @Frequency 1e+6 Hz	
Dielectric Strength	85.0 kV/mm	2160 kV/in	
Dissipation Factor	0.0030 @Frequency 1e+6 Hz	0.0030 @Frequency 1e+6 Hz	
Comparative Tracking Index	225 V	225 V	

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