

BASF Luranyl® KR 2403 G2 Polyphenylene Ether + Styrene-Butadiene Blend, 10% Glass Fiber Reinforced

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

Material Notes:

General-purpose grade with 10% glass fiber for parts requiring especially good resistance to heat deformation. Applications: auto parts, steering-column cladding and water meters. 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-2403-G2-Polyphenylene-Ether-Styrene-Butadiene-Blend-10-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	
Water Absorption	0.30 %	0.30 %	
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Linear Mold Shrinkage, Flow	0.0045 cm/cm	0.0045 in/in	
High Load Melt Index	16 g/10 min @Load 21.6 kg, Temperature 250 °C	16 g/10 min @Load 47.6 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	75.0 MPa	10900 psi	
Elongation at Break	4.0 %	4.0 %	
Tensile Modulus	4.50 GPa	653 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
	4.00 J/cm ² @Temperature -30.0 °C	19.0 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	
	1.20 J/cm ² @Temperature -30.0 °C	5.71 ft-lb/in ² @Temperature -22.0 °F	
Tensile Creep Modulus, 1000 hours	2800 MPa	406000 psi	

Thermal Properties	Metric	English	Comments
	55.0 µm/m-°C	30.6 µin/in-°F	

CTE, linear, Parallel to Flow Thermal Properties	Metric @ Temperature 20.0 °C	English @ Temperature 68.0 °F	Comments
Deflection Temperature at 0.46 MPa (66 psi)	136 °C	277 °F	
Deflection Temperature at 1.8 MPa (264 psi)	128 °C	262 °F	
Vicat Softening Point	140 °C	284 °F	
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

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	2.7 @Frequency 100 Hz	2.7 @Frequency 100 Hz	
	2.8 @Frequency 1e+6 Hz	2.8 @Frequency 1e+6 Hz	
Dielectric Strength	95.0 kV/mm	2410 kV/in	
Dissipation Factor	0.00080 @Frequency 1e+6 Hz	0.00080 @Frequency 1e+6 Hz	
Comparative Tracking Index	250 V	250 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