

BASF Luranyl® KR 2420 Polyphenylene Ether + Styrene-Butadiene Blend

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

Material Notes:

Grade with high resistance to heat deformation and outstanding impact strength. For auto parts such as air vents or the instrument panel; also used for door-mirror 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-2420-Polyphenylene-Ether-Styrene-Butadiene-Blend.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
Water Absorption	0.30 %	0.30 %	
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	
High Load Melt Index	45 g/10 min @Load 21.6 kg, Temperature 250 °C	45 g/10 min @Load 47.6 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	
Elongation at Break	50 %	50 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.20 GPa	319 ksi	
Charpy Impact Unnotched	NB	NB	
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	
Charpy Impact, Notched	3.20 J/cm ²	15.2 ft-lb/in ²	
	3.20 J/cm ² @Temperature -30.0 °C	15.2 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	65.0 µm/m-°C @Temperature 20.0 °C	36.1 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa	123 °C	253 °F	

(56 psi) Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	111 °C	232 °F	
Vicat Softening Point	123 °C	253 °F	
Flammability, UL94	HB	HB	
	@Thickness 3.20 mm	@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	2.6	2.6	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	2.7	2.7	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	95.0 kV/mm	2410 kV/in	
Dissipation Factor	0.00050	0.00050	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	275 V	275 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