

BASF Luranyl® KR 2456/3 Polyphenylene Ether + Styrene-Butadiene Blend

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

Material Notes:

Heat resistant grade containing halogen-free flame-retardant. Mainly used for functional electronic parts that must meet tough fire-safety legislation. 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-24563-Polyphenylene-Ether-Styrene-Butadiene-Blend.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	
Water Absorption	0.40 %	0.40 %	
Moisture Absorption at Equilibrium	0.15 %	0.15 %	
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	
High Load Melt Index	35 g/10 min @Load 21.6 kg, Temperature 250 °C	35 g/10 min @Load 47.6 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	
Elongation at Break	20 %	20 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.80 GPa	406 ksi	
Charpy Impact Unnotched	NB	NB	
	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	1.60 J/cm ²	7.61 ft-lb/in ²	
	1.60 J/cm ² @Temperature -30.0 °C	7.61 ft-lb/in ² @Temperature -22.0 °F	
Tensile Creep Modulus, 1000 hours	1950 MPa	283000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	65.0 µm/m-°C	36.1 µin/in-°F	

Thermal Properties	@Temperature 20.0 °C Metric	@Temperature 68.0 °F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	133 °C	271 °F	
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	
Vicat Softening Point	135 °C	275 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 3.10 mm	@Thickness 0.122 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	2.7	
	@Frequency 100 Hz	@Frequency 100 Hz	
	2.8	2.8	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	90.0 kV/mm	2290 kV/in	
Dissipation Factor	0.0040	0.0040	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	300 V	300 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