

BASF Luranyl® KR 2402 Polyphenylene Ether + Styrene-Butadiene Blend, Impact Grade

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

Material Notes:

Base grade with a balanced combination of impact strength and stiffness for parts calling for good heat deformation resistance (e.g. warm-air vents, coil formers, sheet and wheel covers).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-2402-Polyphenylene-Ether-Styrene-Butadiene-Blend-Impact-Grade.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	30 g/10 min @Load 21.6 kg, Temperature 250 °C	30 g/10 min @Load 47.6 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	64.0 MPa	9280 psi	
Elongation at Break	35 %	35 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	NB	NB	
	4.00 J/cm ² @Temperature -30.0 °C	19.0 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	2.50 J/cm ²	11.9 ft-lb/in ²	
	2.50 J/cm ² @Temperature -30.0 °C	11.9 ft-lb/in ² @Temperature -22.0 °F	
Tensile Creep Modulus, 1 hour	2300 MPa	334000 psi	
Tensile Creep Modulus, 1000 hours	1900 MPa	276000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	65.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	36.1 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	133 $^\circ\text{C}$	271 $^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	119 $^\circ\text{C}$	246 $^\circ\text{F}$	
Vicat Softening Point	136 $^\circ\text{C}$	277 $^\circ\text{F}$	
Flammability, UL94	HB	HB	
	@Thickness 0.810 mm	@Thickness 0.0319 in	
Oxygen Index	22 %	22 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00\text{e}+15$ ohm-cm	$\geq 1.00\text{e}+15$ ohm-cm	
Surface Resistance	$1.00\text{e}+14$ ohm	$1.00\text{e}+14$ ohm	
Dielectric Constant	2.5	2.5	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	2.6	2.6	
	@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	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