

Lehmann & Voss LUVOCOM[®] 2607-7921 Blend based on polyaryl ether ketone, unreinforced

Category : Polymer , Thermoplastic , Polyketone

Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry. Especially suitable for medical parts, superheated steam sterilizable, hydrolysis resistance High chemical resistance parts. Inherent flame resistance. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-2607-7921-Blend-based-on-polyaryl-ether-ketone-unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ISO 1183
Water Absorption	<= 0.50 %	<= 0.50 %	23Â°C/24h
Linear Mold Shrinkage	0.0060 - 0.011 cm/cm	0.0060 - 0.011 in/in	
Melt Flow	10.24 g/10 min @Load 1.20 kg, Temperature 380 Â°C	10.24 g/10 min @Load 2.65 lb, Temperature 716 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	90.0 MPa	13100 psi	
Elongation at Yield	5.0 %	5.0 %	
	6.5 %	6.5 %	flexural
Modulus of Elasticity	3.00 GPa	435 ksi	
Flexural Strength	130 MPa	18900 psi	
Flexural Modulus	2.50 GPa	363 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 Â°C	392 Â°F	
	230 Â°C	446 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	390 Â°C	734 Â°F	mass temp
Nozzle Temperature	360 - 380 Â°C	680 - 716 Â°F	
Zone 1	360 - 370 Â°C	680 - 698 Â°F	
Zone 2	370 - 380 Â°C	698 - 716 Â°F	
Zone 3	380 - 390 Â°C	716 - 734 Â°F	
Mold Temperature	160 - 200 Â°C	320 - 392 Â°F	
Drying Temperature	120 Â°C @Time >=18000 sec	248 Â°F @Time >=5.00 hour	
	150 Â°C @Time 10800 - 21600 sec	302 Â°F @Time 3.00 - 6.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color	

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