

Lehmann & Voss LUVOCOM[®] 2205-7054 Blend based on polyaryl ether ketone, with glass fiber

Category : Polymer , Thermoplastic , Polyketone , Polyaryletherketone (PAEK), Glass Fiber Filled

Material Notes:

Applications: High dimensionally stable precision parts, high continuous use temperature. Especially suitable for medical parts, superheated steam sterilizable, hydrolysis resistance. Chemical and hydrolysis resistance parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-2205-7054-Blend-based-on-polyaryl-ether-ketone-with-glass-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ISO 1183
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	115 MPa	16700 psi	
Elongation at Yield	1.5 %	1.5 %	
	2.0 %	2.0 %	flexural
Modulus of Elasticity	10.0 GPa	1450 ksi	
Flexural Strength	160 MPa	23200 psi	
Flexural Modulus	8.00 GPa	1160 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 Å°C	428 Å°F	
	250 Å°C	482 Å°F	short term

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

Processing Properties	Metric	English	Comments
Processing Temperature	390 Å°C	734 Å°F	mass temp
Nozzle Temperature	360 - 380 Å°C	680 - 716 Å°F	

Zone 1 Processing Properties	360 - 370 Â°C Metric	680 - 698 Â°F English	Comments
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	150 Â°C @Time 10800 - 21600 sec	302 Â°F @Time 3.00 - 6.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	blue	

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