

Lehmann & Voss LUVOCOM® 2211-7726 Blend of polyarylate, with carbon fiber

Category : Polymer , Thermoplastic , Polyarylate

Material Notes:

Applications: Strong, stiff parts.High continuous use and heat distortion temperature. Non flammable.High dimensionally stable precision parts.Suitable for discharging of statically generated electricity.Transporting equipment for electrically sensible goods.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-2211-7726-Blend-of-polyarylate-with-carbon-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23Â°C/24h
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	165 MPa	23900 psi	
Elongation at Yield	3.0 %	3.0 %	
	4.0 %	4.0 %	flexural
Modulus of Elasticity	13.0 GPa	1890 ksi	
Flexural Strength	240 MPa	34800 psi	
Flexural Modulus	11.0 GPa	1600 ksi	
Charpy Impact Unnotched	5.50 J/cmÂ²	26.2 ft-lb/inÂ²	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	ISO 179 1eA

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

Electrical Properties	Metric	English	Comments
Insulation Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	

Processing Properties	Metric	English	Comments
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Processing Properties	390 Â°C Metric	734 Â°F English	Comments
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 - 150 Â°C @Time >=10800 sec	248 - 302 Â°F @Time >=3.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (black)	

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