

Lehmann & Voss LUVOCOM® 1200-7116-2 ABS, with carbon fiber

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Applications: Office communication.Reduced moment of inertia compared with metal parts.Electrically conductive, suitable for continuous discharging of statically generated electricity.Strong, stiff parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1200-7116-2-ABS-with-carbon-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	23°C/24h
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	100 MPa	14500 psi	
Elongation at Yield	1.4 %	1.4 %	
	1.8 %	1.8 %	flexural
Modulus of Elasticity	8.00 GPa	1160 ksi	
Flexural Strength	140 MPa	20300 psi	
Flexural Modulus	6.00 GPa	870 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	
	80.0 °C	176 °F	short term
Deflection Temperature at 1.8 MPa (264 psi)	98.0 °C	208 °F	

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1e+05	<= 1e+05	
Insulation Resistance	<= 100000 ohm	<= 100000 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	230 - 260 °C	446 - 500 °F	mass temp
Nozzle Temperature	220 - 250 °C	428 - 482 °F	
Zone 1	220 - 250 °C	428 - 482 °F	
Zone 2	220 - 250 °C	428 - 482 °F	
Zone 3	230 - 260 °C	446 - 500 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Drying Temperature	70.0 - 95.0 °C @Time 7200 - 14400 sec	158 - 203 °F @Time 2.00 - 4.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	black	

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