

Lehmann & Voss LUVOCOM® 55-7880 PC/ABS Alloy, with carbon fiber and glass fiber

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Carbon Fiber Filled , Polycarbonate (PC)

Material Notes:

Applications: Data processing machinery, precision engineering, film and photo industry, sporting and leisure goods, medical enineering.Strong, stiff parts.Reduced moment of inertia compared with metal parts.Electrically conductive, suitable for continuous discharging of statically generated electricity.High dimensionally stable precision parts.Body and duty parts in office equipment, gear wheels, grippers.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-55-7880-PCABS-Alloy-with-carbon-fiber-and-glass-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23Â°C/24h
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	105 MPa	15200 psi	
Elongation at Yield	1.2 %	1.2 %	
	1.5 %	1.5 %	flexural
Modulus of Elasticity	15.0 GPa	2180 ksi	
Flexural Strength	145 MPa	21000 psi	
Flexural Modulus	13.0 GPa	1890 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
	140 Â°C	284 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 100 ohm	<= 100 ohm	
Insulation Resistance	<= 1000 ohm	<= 1000 ohm	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	270 Â°C Metric	518 Â°F English	mass temp Comments
Nozzle Temperature	240 - 280 Â°C	464 - 536 Â°F	
Zone 1	210 - 250 Â°C	410 - 482 Â°F	
Zone 2	220 - 260 Â°C	428 - 500 Â°F	
Zone 3	230 - 270 Â°C	446 - 518 Â°F	
Mold Temperature	50.0 - 100 Â°C	122 - 212 Â°F	
Drying Temperature	70.0 - 100 Â°C @Time 10800 - 18000 sec	158 - 212 Â°F @Time 3.00 - 5.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	black	

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