

Lehmann & Voss LUVOCOM[®] 65-8285 PP-copolymer, with carbon fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Applications: Office communication.High-stiff parts with low creep.Electrically conductive, suitable for continuous discharging of statically generated electricity.Low warpage.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-65-8285-PP-copolymer-with-carbon-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	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	40.0 MPa	5800 psi	
Elongation at Yield	0.50 %	0.50 %	
	0.60 %	0.60 %	flexural
Modulus of Elasticity	13.0 GPa	1890 ksi	
Flexural Strength	60.0 MPa	8700 psi	
Flexural Modulus	11.0 GPa	1600 ksi	
Charpy Impact Unnotched	0.800 J/cm ²	3.81 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 Â°C	212 Â°F	
	130 Â°C	266 Â°F	short term

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 Â°C	446 - 500 Â°F	mass temp

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

Descriptive Properties	Value	Comments
Color	natural color (black)	

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