

Lehmann & Voss LUVOCOM[®] 1200-8493 ABS, with steel fiber

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

Material Notes:

Applications: Office communication. Electrically conductive, suitable for continuous discharging of statically generated electricity. Isotropic shrinkage characteristics. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1200-8493-ABS-with-steel-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ISO 1183
Water Absorption	<= 0.50 %	<= 0.50 %	23Â°C/24h
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	45.0 MPa	6530 psi	
Elongation at Yield	2.5 %	2.5 %	
	3.0 %	3.0 %	flexural
Modulus of Elasticity	3.00 GPa	435 ksi	
Flexural Strength	65.0 MPa	9430 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 Â°C	140 Â°F	
	80.0 Â°C	176 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 10000 ohm	<= 10000 ohm	
Insulation Resistance	<= 10000 ohm	<= 10000 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	black	

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