

Lehmann & Voss LUVOCOM® TPE-7711/GY Thermoplastic elastomer, with carbon fiber, electrically conducting

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Applications: Electrically conductive, suitable for continuous discharging of statically generated electricity. Dynamic stressed parts. Bearings, sleeves, sliding elements, chair rollers, handles. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-TPE-7711GY-Thermoplastic-elastomer-with-carbon-fiber-electrically-conducting.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	23Â°C/24h
Linear Mold Shrinkage	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	8.00 MPa	1160 psi	
Elongation at Yield	500 %	500 %	
Modulus of Elasticity	0.200 GPa	29.0 ksi	
Charpy Impact, Notched	3.30 J/cmÂ²	15.7 ft-lb/inÂ²	ISO 179 1eA

Electrical Properties	Metric	English	Comments
Insulation Resistance	100 - 100000 ohm	100 - 100000 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	210 Â°C	410 Â°F	mass temp
Nozzle Temperature	200 - 220 Â°C	392 - 428 Â°F	
Zone 1	185 - 205 Â°C	365 - 401 Â°F	
Zone 2	190 - 210 Â°C	374 - 410 Â°F	
Zone 3	195 - 215 Â°C	383 - 419 Â°F	
Mold Temperature	25.0 - 55.0 Â°C	77.0 - 131 Â°F	
Drying Temperature	85.0 Â°C @Time 7200 - 10800	185 Â°F	Dehumidifying dryer

Processing Properties	^{sec} Metric	@Time 2.00 - 3.00 hour English	Comments
Descriptive Properties			
Color		grey	

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