

Lehmann & Voss LUVOCOM[®] 1105-7777 PEEK, lubricant modified

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry. Isotropic shrinkage characteristics. Emergency running property. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-7777-PEEK-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 g/cc	1.56 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0070 - 0.012 cm/cm	0.0070 - 0.012 in/in	
Melt Flow	29.64 g/10 min @Load 10.0 kg, Temperature 380 Â°C	29.64 g/10 min @Load 22.0 lb, Temperature 716 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	95.0 MPa	13800 psi	
Elongation at Yield	3.0 %	3.0 %	
	4.0 %	4.0 %	flexural
Modulus of Elasticity	6.10 GPa	885 ksi	
Flexural Strength	135 MPa	19600 psi	
Flexural Modulus	5.00 GPa	725 ksi	
Charpy Impact Unnotched	5.00 J/cmÂ²	23.8 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 Â°C	482 Â°F	
	260 Â°C	500 Â°F	short term

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+9 ohm	>= 1.00e+9 ohm	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	390 Â°C Metric	734 Â°F English	mass temp Comments
Nozzle Temperature	360 - 380 Â°C	680 - 716 Â°F	
Zone 1	360 - 370 Â°C	680 - 698 Â°F	
Zone 2	380 - 390 Â°C	716 - 734 Â°F	
Zone 3	390 - 400 Â°C	734 - 752 Â°F	
Mold Temperature	170 - 200 Â°C	338 - 392 Â°F	
Drying Temperature	120 Â°C	248 Â°F	or
	@Time 21600 - 28800 sec	@Time 6.00 - 8.00 hour	
	150 Â°C	302 Â°F	Dehumidifying dryer
	@Time 10800 - 21600 sec	@Time 3.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	slate grey	

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