

Lehmann & Voss LUVOCOM® 1104-7824 Polyether ketone, with carbon fiber, easy flowing

Category : Polymer , Thermoplastic , Polyketone

Material Notes:

Applications: Automotive industry, mechanical- and precision engineering. Improved strength and stiffness at elevated temperatures. Suitable for discharging of statically generated electricity. Thermic, mechanic and chemical highly stressed parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1104-7824-Polyether-ketone-with-carbon-fiber-easy-flowing.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	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	255 MPa	37000 psi	
Elongation at Yield	1.8 %	1.8 %	
	2.4 %	2.4 %	flexural
Modulus of Elasticity	23.0 GPa	3340 ksi	
Flexural Strength	365 MPa	52900 psi	
Flexural Modulus	20.0 GPa	2900 ksi	
Charpy Impact Unnotched	4.70 J/cmÂ²	22.4 ft-lb/inÂ²	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 Â°C	500 Â°F	
	290 Â°C	554 Â°F	short term
Vicat Softening Point	>= 330 Â°C	>= 626 Â°F	DIN ISO 306

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

Processing Properties	Metric	English	Comments
Processing Temperature	390 Â°C	734 Â°F	mass temp
Nozzle Temperature	390 - 420 Â°C	734 - 788 Â°F	
Zone 1	370 - 390 Â°C	698 - 734 Â°F	
Zone 2	380 - 420 Â°C	716 - 788 Â°F	
Zone 3	390 - 420 Â°C	734 - 788 Â°F	
Mold Temperature	180 - 230 Â°C	356 - 446 Â°F	
Drying Temperature	140 Â°C	284 Â°F	Dehumidifying dryer
	@Time 14400 - 57600 sec	@Time 4.00 - 16.0 hour	
	150 Â°C	302 Â°F	Air-Circulation Dryer
	@Time 14400 - 28800 sec	@Time 4.00 - 8.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (black)	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China