

Lehmann & Voss LUVOCOM[®] 50-7164/BL02 Polycarbonate, with glass fiber and PTFE

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass + PTFE Filled

Material Notes:

Applications: Data processing machinery, precision engineering, film and photo industry, sporting and leisure goods, medical engineering.Reduced moment of inertia compared with metal parts.Low warpage, isotropic shrinkage characteristics.High dimensionally stable precision parts, even at elevated temperatures and narrow tolerance range.Body and duty parts in office equipment, gear wheels, grippers.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-50-7164BL02-Polycarbonate-with-glass-fiber-and-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23 [°] C/24h
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	70.0 MPa	10200 psi	
Elongation at Yield	3.5 %	3.5 %	
	4.5 %	4.5 %	flexural
Modulus of Elasticity	4.50 GPa	653 ksi	
Flexural Strength	100 MPa	14500 psi	
Flexural Modulus	3.00 GPa	435 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 [°] C	266 [°] F	
	150 [°] C	302 [°] F	short term
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 100e+12 ohm	>= 100e+12 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	295 Â°C	563 Â°F	mass temp
Nozzle Temperature	290 - 310 Â°C	554 - 590 Â°F	
Zone 1	280 - 300 Â°C	536 - 572 Â°F	
Zone 2	290 - 310 Â°C	554 - 590 Â°F	
Zone 3	300 - 320 Â°C	572 - 608 Â°F	
Mold Temperature	80.0 - 120 Â°C	176 - 248 Â°F	
Drying Temperature	120 Â°C @Time 14400 - 21600 sec	248 Â°F @Time 4.00 - 6.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	ultramarine blue	

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