

Lehmann & Voss LUVOCOM[®] 1500-8299 Polysulfone, with PTFE, lubricant modified

Category : Polymer , Thermoplastic , Polysulfone (PSU) , Polysulfone with PTFE/Silicone Filler

Material Notes:

Applications: Isotropic shrinkage characteristics. Chemical and hydrolysis resistance parts, non flammable. High dimensionally stable precision parts, high continuous use temperature. Control disks, cams, sliding elements and other duty parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1500-8299-Polysulfone-with-PTFE-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	23 [°] C/24h
Linear Mold Shrinkage	0.0060 - 0.012 cm/cm	0.0060 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	56.0 MPa	8120 psi	
Elongation at Yield	5.0 %	5.0 %	
	6.7 %	6.7 %	flexural
Modulus of Elasticity	2.10 GPa	305 ksi	
Flexural Strength	80.0 MPa	11600 psi	
Flexural Modulus	2.00 GPa	290 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	30.6 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	DIN 53752
Maximum Service Temperature, Air	150 $\text{Å}^\circ\text{C}$	302 $\text{Å}^\circ\text{F}$	
	170 $\text{Å}^\circ\text{C}$	338 $\text{Å}^\circ\text{F}$	short term
Deflection Temperature at 1.8 MPa (264 psi)	175 $\text{Å}^\circ\text{C}$	347 $\text{Å}^\circ\text{F}$	

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

Processing Properties	Metric	English	Comments
Processing Temperature	355 Â°C	671 Â°F	mass temp
Nozzle Temperature	350 - 370 Â°C	662 - 698 Â°F	
Zone 1	340 - 360 Â°C	644 - 680 Â°F	
Zone 2	345 - 365 Â°C	653 - 689 Â°F	
Zone 3	350 - 370 Â°C	662 - 698 Â°F	
Mold Temperature	140 - 170 Â°C	284 - 338 Â°F	
Drying Temperature	140 Â°C @Time 10800 - 14400 sec	284 Â°F @Time 3.00 - 4.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (beige)	

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