

Lehmann & Voss LUVOCOM® 80-8511 Polyacetal-copolymer, with carbon fiber, lubricant modified

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Carbon Fiber Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Low warpage. High dimensionally stable precision parts. Bearings, sleeves, sliding elements, handles, machine parts. No mass temperature above 215°C! Ventilation of machinery is recommended. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-80-8511-Polyacetal-copolymer-with-carbon-fiber-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23°C/24h
Linear Mold Shrinkage	0.0090 - 0.015 cm/cm	0.0090 - 0.015 in/in	
Melt Flow	2.92 g/10 min @Load 2.16 kg, Temperature 190 °C	2.92 g/10 min @Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	3.0 %	3.0 %	
	5.0 %	5.0 %	flexural
Modulus of Elasticity	7.00 GPa	1020 ksi	
Flexural Strength	115 MPa	16700 psi	
Flexural Modulus	6.00 GPa	870 ksi	
Charpy Impact Unnotched	3.30 J/cm ²	15.7 ft-lb/in ²	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
	120 °C	248 °F	short term

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Surface Resistance Electrical Properties	$\geq 1.00\text{e}+11$ ohm Metric	$\geq 1.00\text{e}+11$ ohm English	Comments
Insulation Resistance	$\geq 1.00\text{e}+11$ ohm	$\geq 1.00\text{e}+11$ ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	200 Â°C	392 Â°F	mass temp
Nozzle Temperature	175 - 200 Â°C	347 - 392 Â°F	
Zone 1	175 - 190 Â°C	347 - 374 Â°F	
Zone 2	185 - 205 Â°C	365 - 401 Â°F	
Zone 3	180 - 200 Â°C	356 - 392 Â°F	
Mold Temperature	80.0 - 120 Â°C	176 - 248 Â°F	
Drying Temperature	75.0 Â°C	167 Â°F	Dehumidifying dryer
	@Time 7200 - 28800 sec	@Time 2.00 - 8.00 hour	
	120 Â°C	248 Â°F	Air-Circulation Dryer
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Color	dark grey	

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