

Lehmann & Voss LUVOCOM® 80-7695 Polyacetal-copolymer, with glass fiber and PTFE

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer + Glass/PTFE

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Emergency running property, glide mating with low sliding friction. Bearings, sleeves, high precision gear wheels, control disks, rollers, coil formers. No mass temperature above 215Â°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-80-7695-Polyacetal-copolymer-with-glass-fiber-and-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	
Melt Flow	19.2 g/10 min @Load 2.16 kg, Temperature 190 Â°C	19.2 g/10 min @Load 4.76 lb, Temperature 374 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	40.0 MPa	5800 psi	
Elongation at Yield	6.0 %	6.0 %	
	8.0 %	8.0 %	flexural
Modulus of Elasticity	3.00 GPa	435 ksi	
Flexural Strength	55.0 MPa	7980 psi	
Flexural Modulus	2.40 GPa	348 ksi	
Charpy Impact Unnotched	3.00 J/cmÂ²	14.3 ft-lb/inÂ²	edgewise; ISO 179 1eU

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

Electrical Properties	Metric	English	Comments
Surface Resistance			

Electrical Properties	$\geq 1.00\text{e}+12\text{ ohm}$ Metric	$\geq 1.00\text{e}+12\text{ ohm}$ English	Comments
Insulation Resistance	$\geq 1.00\text{e}+12\text{ ohm}$	$\geq 1.00\text{e}+12\text{ ohm}$	

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	natural color (white)	

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