

Lehmann & Voss LUVOCOM[®] 80-8222 Polyacetal-copolymer, with mineral filler, lubricant modified

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Mineral Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Isotropic shrinkage characteristics. High dimensionally stable precision parts with low warpage and narrow tolerance range. Bearings, sleeves, control disks, gear wheels, cams. 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-80-8222-Polyacetal-copolymer-with-mineral-filler-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.64 g/cc	1.64 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23 [°] C/24h
Linear Mold Shrinkage	0.0090 - 0.014 cm/cm	0.0090 - 0.014 in/in	
Melt Flow	18.04 g/10 min @Load 2.16 kg, Temperature 190 [°] C	18.04 g/10 min @Load 4.76 lb, Temperature 374 [°] F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	52.0 MPa	7540 psi	
Elongation at Yield	3.0 %	3.0 %	
	5.0 %	5.0 %	flexural
Modulus of Elasticity	6.00 GPa	870 ksi	
Flexural Strength	80.0 MPa	11600 psi	
Flexural Modulus	5.00 GPa	725 ksi	
Charpy Impact Unnotched	1.50 J/cm ²	7.14 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
Deflection Temperature at 1.8 MPa (264 psi)	110 [°] C	230 [°] F	

Flammability UL 94 Thermal Properties	HB Metric	HB English	not recognized by UL Comments
--	--------------	---------------	----------------------------------

Electrical Properties	Metric	English	Comments
Surface Resistance	$\geq 1.00 \times 10^{13}$ ohm	$\geq 1.00 \times 10^{13}$ ohm	
Insulation Resistance	$\geq 1.00 \times 10^{12}$ ohm	$\geq 1.00 \times 10^{12}$ 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 @Time 7200 - 28800 sec	167 Â°F @Time 2.00 - 8.00 hour	Dehumidifying dryer
	120 Â°C @Time 7200 - 14400 sec	248 Â°F @Time 2.00 - 4.00 hour	Air-Circulation Dryer

Descriptive Properties	Value	Comments
Color	natural color (white)	

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