

Lehmann & Voss LUVOCOM[®] 80-8444 Polyacetal-copolymer, unreinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering.dynamic stressReduced moment of inertia compared with metal parts.Isotropic shrinkage characteristics.Handles, levers, rollers, extrusion profiles.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-80-8444-Polyacetal-copolymer-unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 g/cc	1.56 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23 [°] C/24h
Linear Mold Shrinkage	0.019 - 0.030 cm/cm	0.019 - 0.030 in/in	
Melt Flow	15.6 g/10 min @Load 2.16 kg, Temperature 190 [°] C	15.6 g/10 min @Load 4.76 lb, Temperature 374 [°] F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	56.0 MPa	8120 psi	
Elongation at Yield	10 %	10 %	
	20 %	20 %	flexural
Modulus of Elasticity	3.20 GPa	464 ksi	
Flexural Strength	60.0 MPa	8700 psi	
Flexural Modulus	1.80 GPa	261 ksi	
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	flatwise; ISO 179 1fU
Coefficient of Friction, Dynamic	0.18	0.18	
Coefficient of Friction, Static	0.12	0.12	

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)	105 [°] C	221 [°] F	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

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	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	sapphire 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