

Lehmann & Voss LUVOCOM® AC-80/TF/22/BK Polyacetal-copolymer, with PTFE

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

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, 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-AC-80TF22BK-Polyacetal-copolymer-with-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ISO 1183
Water Absorption	0.18 %	0.18 %	23°C/24h
Linear Mold Shrinkage	0.017 - 0.022 cm/cm	0.017 - 0.022 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	44.0 MPa	6380 psi	
Elongation at Yield	7.0 %	7.0 %	
	9.0 %	9.0 %	flexural
Modulus of Elasticity	2.30 GPa	334 ksi	
Flexural Strength	65.0 MPa	9430 psi	
Flexural Modulus	2.10 GPa	305 ksi	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	edgewise; ISO 179 1eU
	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179 1eA
	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179 eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Coefficient of Friction, Dynamic	0.15	0.15	
Coefficient of Friction, Static	0.080	0.080	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0400 W/m-K	0.278 BTU-in/hr-ftÂ²-Â°F	DIN 52612
Maximum Service Temperature, Air	100 Â°C	212 Â°F	
	120 Â°C	248 Â°F	short term
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Â°C	185 Â°F	
Vicat Softening Point	145 Â°C	293 Â°F	DIN ISO 306
Flammability, UL94	HB	HB	not recognized by UL

Electrical Properties	Metric	English	Comments
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	black	

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