

## Lehmann & Voss LUVOCOM<sup>®</sup> 80-8387/EM Polyacetal-copolymer, unreinforced

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

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Isotropic shrinkage characteristics. Strong, stiff parts. Impact resistance. Control disks, cams, sliding elements and other duty parts. No mass temperature above 215<sup>°</sup>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-80-8387EM-Polyacetal-copolymer-unreinforced.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-80-8387EM-Polyacetal-copolymer-unreinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.84 g/cc	1.84 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.017 - 0.024 cm/cm	0.017 - 0.024 in/in	
Melt Flow	36.8 g/10 min @Load 2.16 kg, Temperature 190 <sup>°</sup> C	36.8 g/10 min @Load 4.76 lb, Temperature 374 <sup>°</sup> F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	50.0 MPa	7250 psi	
Elongation at Yield	3.8 %	3.8 %	
	5.0 %	5.0 %	flexural
Modulus of Elasticity	4.00 GPa	580 ksi	
Flexural Strength	72.0 MPa	10400 psi	
Flexural Modulus	3.50 GPa	508 ksi	
Charpy Impact Unnotched	3.50 J/cm <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 <sup>°</sup> C	212 <sup>°</sup> F	
	120 <sup>°</sup> C	248 <sup>°</sup> F	short term
Flammability, UL94	HB	HB	not recognized by UL

Electrical Properties	Metric	English	Comments
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Surface Resistance Electrical Properties	$\geq 1.00e+11$ ohm Metric	$\geq 1.00e+11$ ohm English	Comments
Insulation Resistance	$\geq 1.00e+11$ ohm	$\geq 1.00e+11$ 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 @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 (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

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