

## Lehmann & Voss LUVOCOM<sup>®</sup> 80-7655/RD Polyacetal-copolymer, with aramid reinforcement and PTFE, toughness-modified, high viscosity

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Aramid Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. High dimensionally stable precision parts. Bearings, sleeves, control disks, gear wheels, cams. 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-80-7655RD-Polyacetal-copolymer-with-aramid-reinforcement-and-PTFE-toughness-modified-high-viscosity.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-80-7655RD-Polyacetal-copolymer-with-aramid-reinforcement-and-PTFE-toughness-modified-high-viscosity.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.015 - 0.021 cm/cm	0.015 - 0.021 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	40.0 MPa	5800 psi	
Elongation at Yield	8.0 %	8.0 %	
	10 %	10 %	flexural
Modulus of Elasticity	2.30 GPa	334 ksi	
Flexural Strength	60.0 MPa	8700 psi	
Flexural Modulus	2.00 GPa	290 ksi	
Charpy Impact Unnotched	3.00 J/cm <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179 1eA

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
Deflection Temperature at 1.8 MPa (264 psi)	105 <sup>°</sup> C	221 <sup>°</sup> F	
Vicat Softening Point	160 <sup>°</sup> C	320 <sup>°</sup> F	DIN ISO 306

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	vermilion	

## Contact Songhan Plastic Technology Co.,Ltd.

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