

## Lehmann & Voss LUVOCOM<sup>®</sup> 1800-7432 PET, with PTFE

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Isotropic shrinkage characteristics. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1800-7432-PET-with-PTFE.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1800-7432-PET-with-PTFE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.016 - 0.022 cm/cm	0.016 - 0.022 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	60.0 MPa	8700 psi	
Elongation at Yield	3.0 %	3.0 %	
Modulus of Elasticity	3.00 GPa	435 ksi	
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 <sup>°</sup> C	212 <sup>°</sup> F	
	180 <sup>°</sup> C	356 <sup>°</sup> F	short term

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	280 <sup>°</sup> C	536 <sup>°</sup> F	mass temp
Nozzle Temperature	265 - 275 <sup>°</sup> C	509 - 527 <sup>°</sup> F	
Zone 1	285 - 295 <sup>°</sup> C	545 - 563 <sup>°</sup> F	
Zone 2	270 - 280 <sup>°</sup> C	518 - 536 <sup>°</sup> F	

Zone 3 Processing Properties	265 - 275 Â°C Metric	509 - 527 Â°F English	Comments
Mold Temperature	60.0 - 120 Â°C	140 - 248 Â°F	
Drying Temperature	80.0 Â°C @Time 21600 - 28800 sec	176 Â°F @Time 6.00 - 8.00 hour	
	120 Â°C @Time 7200 - 18000 sec	248 Â°F @Time 2.00 - 5.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	white	

## Contact Songhan Plastic Technology Co.,Ltd.

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