

## Lehmann & Voss LUVOCOM<sup>®</sup> 1850-7557 PBT, with aramid reinforcement and PTFE

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Aramid Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour, self-lubricating, for highest tribologic needs. Low warpage, isotropic shrinkage characteristics. Control disks, cams, sliding elements and other duty parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1850-7557-PBT-with-aramid-reinforcement-and-PTFE.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1850-7557-PBT-with-aramid-reinforcement-and-PTFE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.0070 - 0.012 cm/cm	0.0070 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	50.0 MPa	7250 psi	
Elongation at Yield	5.0 %	5.0 %	
	6.1 %	6.1 %	flexural
Modulus of Elasticity	5.00 GPa	725 ksi	
Flexural Strength	70.0 MPa	10200 psi	
Flexural Modulus	4.00 GPa	580 ksi	
Charpy Impact Unnotched	2.40 J/cm <sup>2</sup>	11.4 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179 1eA
Coefficient of Friction, Dynamic	0.11	0.11	
Coefficient of Friction, Static	0.090	0.090	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 <sup>°</sup> C	266 <sup>°</sup> F	
	150 <sup>°</sup> C	302 <sup>°</sup> F	short term

Electrical Properties	Metric	English	Comments
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Insulation Resistance Electrical Properties	$\geq 1.00e+12$ ohm Metric	$\geq 1.00e+12$ ohm English	Comments
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Processing Properties	Metric	English	Comments
Processing Temperature	250 Å°C	482 Å°F	mass temp
Nozzle Temperature	250 - 265 Å°C	482 - 509 Å°F	
Zone 1	240 - 260 Å°C	464 - 500 Å°F	
Zone 2	260 - 280 Å°C	500 - 536 Å°F	
Zone 3	250 - 270 Å°C	482 - 518 Å°F	
Mold Temperature	60.0 - 120 Å°C	140 - 248 Å°F	
Drying Temperature	80.0 Å°C @Time 21600 - 28800 sec	176 Å°F @Time 6.00 - 8.00 hour	Vacuum Dryer
	120 Å°C @Time 14400 - 21600 sec	248 Å°F @Time 4.00 - 6.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (yellow)	

## Contact Songhan Plastic Technology Co.,Ltd.

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