

## Lehmann & Voss LUVOCOM<sup>®</sup> 1105-7685 PEEK, unreinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

### Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry.High chemical resistance parts, non flammable.Suitable for biocompatible application.Superheated steam sterilizable.Inherent flame resistance.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1105-7685-PEEK-unreinforced.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-7685-PEEK-unreinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ISO 1183
Water Absorption	0.50 %	0.50 %	23Â°C/24h
Linear Mold Shrinkage	0.010 - 0.016 cm/cm	0.010 - 0.016 in/in	
Melt Flow	25.8 g/10 min @Load 10.0 kg, Temperature 380 Â°C	25.8 g/10 min @Load 22.0 lb, Temperature 716 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	100 MPa	14500 psi	
Elongation at Yield	5.0 %	5.0 %	
	6.5 %	6.5 %	flexural
Modulus of Elasticity	3.60 GPa	522 ksi	
Flexural Strength	145 MPa	21000 psi	
Flexural Modulus	3.00 GPa	435 ksi	
Coefficient of Friction, Dynamic	0.26	0.26	
Coefficient of Friction, Static	0.21	0.21	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 Â°C	482 Â°F	
	260 Â°C	500 Â°F	short term
Vicat Softening Point	300 Â°C	572 Â°F	DIN ISO 306

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Processing Temperature	390 Â°C	734 Â°F	mass temp
Nozzle Temperature	360 - 380 Â°C	680 - 716 Â°F	
Zone 1	360 - 370 Â°C	680 - 698 Â°F	
Zone 2	380 - 390 Â°C	716 - 734 Â°F	
Zone 3	390 - 400 Â°C	734 - 752 Â°F	
Mold Temperature	170 - 200 Â°C	338 - 392 Â°F	
Drying Temperature	120 Â°C	248 Â°F	or
	@Time 21600 - 28800 sec	@Time 6.00 - 8.00 hour	
	150 Â°C	302 Â°F	Dehumidifying dryer
	@Time 10800 - 21600 sec	@Time 3.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	natural color	

## Contact Songhan Plastic Technology Co.,Ltd.

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