

## Lehmann & Voss LUVOCOM<sup>®</sup> 1105/GF/14 PEEK, with glass fiber

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass Fiber Filled

### Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry.Strong, stiff parts.Dynamic stressed parts.Chemical and hydrolysis resistance parts, non flammable.High continuous use temperature.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1105GF14-PEEK-with-glass-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105GF14-PEEK-with-glass-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0040 - 0.0090 cm/cm	0.0040 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	135 MPa	19600 psi	
Elongation at Yield	3.0 %	3.0 %	
	3.9 %	3.9 %	flexural
Modulus of Elasticity	8.00 GPa	1160 ksi	
Flexural Strength	220 MPa	31900 psi	
Flexural Modulus	7.50 GPa	1090 ksi	
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179 1eA
Coefficient of Friction, Dynamic	0.28	0.28	
Coefficient of Friction, Static	0.26	0.26	

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 Âµm/m-Â°C	16.7 Âµin/in-Â°F	DIN 53752
Maximum Service Temperature, Air	250 Â°C	482 Â°F	
	260 Â°C	500 Â°F	short term
Deflection Temperature at 1.8 MPa (264 psi)	275 Â°C	527 Â°F	

Vicat Softening Point Thermal Properties	320 Â°C Metric	608 Â°F English	DIN ISO 306 Comments
Flammability, UL94	V-0	V-0	not recognized by UL

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+13 ohm	>= 1.00e+13 ohm	
Insulation Resistance	>= 1.00e+14 ohm	>= 1.00e+14 ohm	

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 @Time 21600 - 28800 sec	248 Â°F @Time 6.00 - 8.00 hour	or
	150 Â°C @Time 10800 - 21600 sec	302 Â°F @Time 3.00 - 6.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China