

## Lehmann & Voss LUVOCOM® 1105-7835 PEEK, with glass fiber, lubricant modified

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

### Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry. Low warpage, isotropic shrinkage characteristics. Chemical and hydrolysis resistance parts, non flammable. High dimensionally stable precision parts, high continuous use temperature. Especially suitable for medical parts, superheated steam sterilizable, hydrolysis resistance. Information provided by Lehmann & Voss & Co. KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1105-7835-PEEK-with-glass-fiber-lubricant-modified.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-7835-PEEK-with-glass-fiber-lubricant-modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.69 g/cc	1.69 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0070 - 0.014 cm/cm	0.0070 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	2.0 %	2.0 %	
	2.6 %	2.6 %	flexural
Modulus of Elasticity	8.00 GPa	1160 ksi	
Flexural Strength	105 MPa	15200 psi	
Flexural Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	2.20 J/cmÂ²	10.5 ft-lb/inÂ²	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 Â°C	482 Â°F	
	260 Â°C	500 Â°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	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	beige	

## Contact Songhan Plastic Technology Co.,Ltd.

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