

## Lehmann & Voss LUVOCOM<sup>®</sup> 1105-0858 PEEK, with glass fiber, easy flowing

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.High dimensionally stable precision parts, high continuous use temperature.Dynamic stressed parts at high movement velocity.Chemical and hydrolysis resistance parts, non flammable.Bearings, sleeves, control disks, gear wheels, pump impellers, gear parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1105-0858-PEEK-with-glass-fiber-easy-flowing.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-0858-PEEK-with-glass-fiber-easy-flowing.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	
Melt Flow	110 g/10 min @Load 10.0 kg, Temperature 400 Â°C	110 g/10 min @Load 22.0 lb, Temperature 752 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	180 MPa	26100 psi	
Elongation at Yield	2.5 %	2.5 %	
	3.0 %	3.0 %	flexural
Modulus of Elasticity	11.0 GPa	1600 ksi	
Flexural Strength	250 MPa	36300 psi	
Flexural Modulus	9.00 GPa	1310 ksi	
Charpy Impact Unnotched	4.70 J/cmÂ²	22.4 ft-lb/inÂ²	flatwise; ISO 179 1fU
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	ISO 179 1eA
Coefficient of Friction, Dynamic	0.31	0.31	
Coefficient of Friction, Static	0.28	0.28	

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 Âµm/m-Â°C	12.2 Âµin/in-Â°F	DIN 53752
		2.78 BTU-in/hr-ftÂ²-	

Thermal Properties	0.400 W/m-K Metric	°F English	DIN 52612 Comments
Maximum Service Temperature, Air	250 °C	482 °F	
	280 °C	536 °F	short term
Vicat Softening Point	325 °C	617 °F	DIN ISO 306
Flammability, UL94	V-0	V-0	not recognized by UL

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

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

Descriptive Properties	Value	Comments
Color	black	

## Contact Songhan Plastic Technology Co.,Ltd.

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