

## Lehmann & Voss LUVOCOM<sup>®</sup> 1105-8432 PEEK, unreinforced

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

### Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry. Electrically conductive, suitable for continuous discharging of statically generated electricity. Chemical and hydrolysis resistance parts, non flammable. Isotropic shrinkage characteristics. High dimensionally stable precision parts, 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-1105-8432-PEEK-unreinforced.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-8432-PEEK-unreinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.41 g/cc	2.41 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.011 - 0.018 cm/cm	0.011 - 0.018 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	95.0 MPa	13800 psi	
Elongation at Yield	1.5 %	1.5 %	
	1.9 %	1.9 %	flexural
Modulus of Elasticity	9.00 GPa	1310 ksi	
Flexural Strength	140 MPa	20300 psi	
Flexural Modulus	7.50 GPa	1090 ksi	
Charpy Impact Unnotched	2.50 J/cm <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 Â°C	482 Â°F	
	270 Â°C	518 Â°F	short term
Flammability, UL94	V-0	V-0	not recognized by UL

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1000 ohm	>= 1000 ohm	
Insulation Resistance	>= 1000 ohm	>= 1000 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	natural color (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

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