

## Lehmann & Voss LUVOCOM<sup>®</sup> 1105-8320 PEEK, with aramid reinforcement and PTFE, easy flowing

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

### Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry. Chemical and hydrolysis resistance parts. Improved friction and wear behaviour. Emergency running property. Emergency running property, for highest tribologic needs. 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-1105-8320-PEEK-with-aramid-reinforcement-and-PTFE-easy-flowing.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-8320-PEEK-with-aramid-reinforcement-and-PTFE-easy-flowing.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0080 - 0.013 cm/cm	0.0080 - 0.013 in/in	
Melt Flow	6.7 g/10 min @Load 2.16 kg, Temperature 380 Â°C	6.7 g/10 min @Load 4.76 lb, Temperature 716 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	3.3 %	3.3 %	
	4.0 %	4.0 %	flexural
Modulus of Elasticity	3.70 GPa	537 ksi	
Flexural Strength	85.0 MPa	12300 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	3.00 J/cm <sup>Â</sup> 2	14.3 ft-lb/in <sup>Â</sup> 2	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.400 J/cm <sup>Â</sup> 2	1.90 ft-lb/in <sup>Â</sup> 2	ISO 179 1eA

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
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	natural color (beige)	

## 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