

## Lehmann & Voss LUVOCOM<sup>®</sup> 1105-7714 PEEK, with PTFE, lubricant modified, easy flowing

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, PTFE-Filled

### Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry. Dynamic stressed parts at high movement velocity. Chemical and hydrolysis resistance parts, non flammable. Improved friction and wear behaviour, self-lubricating, for highest tribologic needs. High dimensionally stable precision parts, high continuous use temperature. 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-1105-7714-PEEK-with-PTFE-lubricant-modified-easy-flowing.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-7714-PEEK-with-PTFE-lubricant-modified-easy-flowing.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.0070 - 0.012 cm/cm	0.0070 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	3.3 %	3.3 %	
	4.4 %	4.4 %	flexural
Modulus of Elasticity	4.00 GPa	580 ksi	
Flexural Strength	105 MPa	15200 psi	
Flexural Modulus	3.40 GPa	493 ksi	
Charpy Impact Unnotched	3.20 J/cm <sup>2</sup>	15.2 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 $\mu$ m/m- <sup>°</sup> C	27.8 $\mu$ in/in- <sup>°</sup> F	DIN 53752
Thermal Conductivity	0.250 W/m-K	1.74 BTU-in/hr-ft <sup>2</sup> - <sup>°</sup> F	DIN 52612
Maximum Service Temperature, Air	250 <sup>°</sup> C	482 <sup>°</sup> F	
	260 <sup>°</sup> C	500 <sup>°</sup> F	short term
Flammability, UL94	V-0	V-0	not recognized by UL

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	graphite grey	

## 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