

## Lehmann & Voss LUVOCOM<sup>®</sup> 1105/BK7308 PEEK, unreinforced

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

### Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry.High chemical resistance parts, non flammable.Suitable for biocompatible application.Not flammable.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1105BK7308-PEEK-unreinforced.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105BK7308-PEEK-unreinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ISO 1183
Water Absorption	0.50 %	0.50 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.010 - 0.016 cm/cm	0.010 - 0.016 in/in	
Melt Flow	29.44 g/10 min @Load 10.0 kg, Temperature 380 <sup>°</sup> C	29.44 g/10 min @Load 22.0 lb, Temperature 716 <sup>°</sup> F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	100 MPa	14500 psi	
Elongation at Yield	4.7 %	4.7 %	
	6.0 %	6.0 %	flexural
Modulus of Elasticity	4.00 GPa	580 ksi	
Flexural Strength	140 MPa	20300 psi	
Flexural Modulus	3.50 GPa	508 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 <sup>°</sup> C	482 <sup>°</sup> F	
	260 <sup>°</sup> C	500 <sup>°</sup> F	short term
Deflection Temperature at 1.8 MPa (264 psi)	156 <sup>°</sup> C	313 <sup>°</sup> F	
Flammability, UL94	V-0	V-0	

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	black	

## 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