

Lehmann & Voss LUVOCOM[®] 1700-8541 PPO, unreinforced

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Dynamic stressed parts. Isotropic shrinkage characteristics. Superheated steam sterilizable. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1700-8541-PPO-unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	65.0 MPa	9430 psi	
Elongation at Yield	5.2 %	5.2 %	
	7.0 %	7.0 %	flexural
Modulus of Elasticity	2.50 GPa	363 ksi	
Flexural Strength	95.0 MPa	13800 psi	
Flexural Modulus	2.00 GPa	290 ksi	
Charpy Impact Unnotched	4.00 J/cm ^Â 2	19.0 ft-lb/in ^Â 2	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.600 J/cm ^Â 2	2.86 ft-lb/in ^Â 2	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 Â°C	230 Â°F	
	130 Â°C	266 Â°F	short term

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

Processing Properties	Metric	English	Comments

Processing Temperature Processing Properties	280 Â°C Metric	536 Â°F English	mass temp Comments
Nozzle Temperature	285 - 295 Â°C	545 - 563 Â°F	
Zone 1	270 - 280 Â°C	518 - 536 Â°F	
Zone 2	270 - 300 Â°C	518 - 572 Â°F	
Zone 3	290 - 305 Â°C	554 - 581 Â°F	
Mold Temperature	70.0 - 120 Â°C	158 - 248 Â°F	
Drying Temperature	95.0 - 110 Â°C @Time <=7200 sec	203 - 230 Â°F @Time <=2.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	blue	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China