

Lehmann & Voss LUVOCOM[®] 65-8498 PP-copolymer, unreinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Applications: Office communication.Reduced moment of inertia compared with metal parts.Dynamic stressed parts.Especially suitable for thin wall complex parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-65-8498-PP-copolymer-unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.015 - 0.030 cm/cm	0.015 - 0.030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	20.0 MPa	2900 psi	
Elongation at Yield	3.0 %	3.0 %	
	3.6 %	3.6 %	flexural
Modulus of Elasticity	2.00 GPa	290 ksi	
Flexural Strength	30.0 MPa	4350 psi	
Flexural Modulus	3.00 GPa	435 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 Â°C	176 Â°F	
	110 Â°C	230 Â°F	short term
Vicat Softening Point	80.0 Â°C	176 Â°F	DIN ISO 306

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+9 ohm	>= 1.00e+9 ohm	
Insulation Resistance	>= 1.00e+9 ohm	>= 1.00e+9 ohm	

Processing Properties	Metric	English	Comments

Processing Temperature Processing Properties	230 - 260 Å°C Metric	446 - 500 Å°F English	mass temp Comments
Nozzle Temperature	220 - 250 Å°C	428 - 482 Å°F	
Zone 1	220 - 250 Å°C	428 - 482 Å°F	
Zone 2	220 - 250 Å°C	428 - 482 Å°F	
Zone 3	230 - 260 Å°C	446 - 500 Å°F	
Mold Temperature	40.0 - 80.0 Å°C	104 - 176 Å°F	
Drying Temperature	70.0 - 95.0 Å°C @Time 7200 - 14400 sec	158 - 203 Å°F @Time 2.00 - 4.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (black)	

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