

Lehmann & Voss LUVOTECHÂ® MR 1025 BK Polyamide 66, with mineral filler

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Mineral Filled, Impact Grade

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Low warpage. Isotropic shrinkage characteristics. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOTECH-MR-1025-BK-Polyamide-66-with-mineral-filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ISO 1183
Linear Mold Shrinkage	0.0060 - 0.012 cm/cm	0.0060 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	110 MPa	16000 psi	
Elongation at Yield	2.5 %	2.5 %	
Modulus of Elasticity	11.0 GPa	1600 ksi	
Flexural Strength	165 MPa	23900 psi	
Flexural Modulus	9.00 GPa	1310 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	flatwise; ISO 179 1fU
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179 1eA
Coefficient of Friction, Dynamic	0.45	0.45	
Coefficient of Friction, Static	0.40	0.40	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
	140 Â°C	284 Â°F	short term
Vicat Softening Point	240 Â°C	464 Â°F	DIN ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	290 Â°C	554 Â°F	mass temp
Nozzle Temperature	280 - 300 Â°C	536 - 572 Â°F	
Zone 1	290 - 310 Â°C	554 - 590 Â°F	

Processing Properties	Metric 10 Å°C	English 10 Å°F	Comments
Zone 3	290 - 310 Å°C	554 - 590 Å°F	
Mold Temperature	90.0 - 120 Å°C	194 - 248 Å°F	
Drying Temperature	75.0 Å°C @Time 21600 - 57600 sec	167 Å°F @Time 6.00 - 16.0 hour	Dehumidifying dryer
	105 Å°C @Time 14400 - 21600 sec	221 Å°F @Time 4.00 - 6.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	black	

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