

Lehmann & Voss Nylatron® MR 2007 Polyamide 6, with mineral filler

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Mineral Reinforced, Impact Grade

Material Notes:

Applications: Automotive industry, textile 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-Nylatron-MR-2007-Polyamide-6-with-mineral-filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 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	96.0 MPa	13900 psi	
Elongation at Yield	3.2 %	3.2 %	
	4.2 %	4.2 %	flexural
Modulus of Elasticity	8.30 GPa	1200 ksi	
Flexural Strength	150 MPa	21800 psi	
Flexural Modulus	7.20 GPa	1040 ksi	
Charpy Impact Unnotched	3.60 J/cm ²	17.1 ft-lb/in ²	edgewise; ISO 179 1eU
Coefficient of Friction, Dynamic	0.40	0.40	
Coefficient of Friction, Static	0.35	0.35	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	
	160 °C	320 °F	short term
Vicat Softening Point	205 °C	401 °F	DIN ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	270 °C	518 °F	mass temp
Nozzle Temperature	270 - 280 °C	518 - 536 °F	
Zone 1	250 - 270 °C	482 - 518 °F	

Processing Properties	Metric	English	Comments
Zone 3	280 - 300 Â°C	536 - 572 Â°F	
Mold Temperature	70.0 - 110 Â°C	158 - 230 Â°F	
Drying Temperature	75.0 Â°C @Time 36000 - 57600 sec	167 Â°F @Time 10.0 - 16.0 hour	Dehumidifying dryer
	105 Â°C @Time 14400 - 21600 sec	221 Â°F @Time 4.00 - 6.00 hour	or

Descriptive Properties	Value	Comments
Color	black	

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