

Lanxess Durethan® DP BM 65 X FM30 901510 Nylon 6, 65% Mineral + Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

Material Notes:

PA, injection molding and hybrid grade based on PA 6, 65% mineral/glass fibers, UL 94V-0 at 1.2 mm, reduced cycle times (easy flow), Thin wall application, free from halogen and phosphorous, low smoke density and toxicity, very good electrical properties,


Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-BM-65-X-FM30-901510-Nylon-6-65-Mineral-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.69 g/cc	0.0611 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ISO 294-4, 2577
Melt Flow	12 g/10 min @Load 5.00 kg, Temperature 270 °C	12 g/10 min @Load 11.0 lb, Temperature 518 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	73.0 MPa	10600 psi	Conditioned; ISO 527-1/-2
	120 MPa	17400 psi	ISO 527-1/-2
Elongation at Break	1.6 %	1.6 %	ISO 527-1/-2
	2.2 %	2.2 %	Conditioned; ISO 527-1/-2
Tensile Modulus	6.00 GPa	870 ksi	Conditioned; ISO 527-1/-2
	12.1 GPa	1750 ksi	ISO 527-1/-2
Charpy Impact Unnotched	2.30 J/cm ² @Temperature 23.0 °C	10.9 ft-lb/in ² @Temperature 73.4 °F	Conditioned; ISO 179/1eU
	3.00 J/cm ² @Temperature 23.0 °C	14.3 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 µm/m-°C	16.7 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	50.0 µm/m-°C	27.8 µin/in-°F	ISO 11359-1/-2

Thermal Properties	Metric 	English	Comments <small>ISO 11357-1/-3</small>
Deflection Temperature at 0.46 MPa (66 psi)	200 Â°C	392 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	181 Â°C	358 Â°F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	@Thickness 1.20 mm	@Thickness 0.0472 in	
	V-0	V-0	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

Descriptive Properties	Value	Comments
Form	Pellets	
ISO Shortname	ISO 1874-PA6,MFR,-060N,(MD+GF)65; ISO 1043-PA GF FR(61)	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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