

Lanxess Durethan® BKV 30 H2.0 EF 900116 Nylon 6, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

PA 6, 30% glass fibers, good flowability (Easy Flow), good heat-ageing resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-BKV-30-H20-EF-900116-Nylon-6-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Melt Flow	101 g/10 min @Load 5.00 kg, Temperature 270 °C	101 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	100 MPa	14500 psi	Conditioned; ISO 527-1/-2
	170 MPa	24700 psi	ISO 527-1/-2
Elongation at Break	3.2 %	3.2 %	ISO 527-1/-2
	5.8 %	5.8 %	Conditioned; ISO 527-1/-2
Tensile Modulus	5.50 GPa	798 ksi	Conditioned; ISO 527-1/-2
	9.00 GPa	1310 ksi	ISO 527-1/-2
Charpy Impact Unnotched	5.50 J/cm ² @Temperature -30.0 °C	26.2 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	5.50 J/cm ² @Temperature -30.0 °C	26.2 ft-lb/in ² @Temperature -22.0 °F	Conditioned; ISO 179/1eU
	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
	8.00 J/cm ² @Temperature 23.0 °C	38.1 ft-lb/in ² @Temperature 73.4 °F	Conditioned; ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Mechanical Properties	1.50 J/cmÂ² Metric	English lb/inÂ²	Comments
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	Conditioned; ISO 179/1eA
Impact	803	803	Puncture maximum force (N); ISO 6603-2
	744	744	Puncture maximum force (N); ISO 6603-2
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Puncture Energy	2.60 J	1.92 ft-lb	ISO 6603-2
	2.60 J	1.92 ft-lb	ISO 6603-2
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	2.60 J	1.92 ft-lb	Conditioned; ISO 6603-2
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 Âµm/m-Â°C	11.1 Âµin/in-Â°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	100 Âµm/m-Â°C	55.6 Âµin/in-Â°F	ISO 11359-1/-2
Melting Point	220 Â°C	428 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	150 Â°C	302 Â°F	ISO 75-1/-2

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	400 V	400 V	IEC 60112

Descriptive Properties	Value	Comments
Additives	Release agent	
Form	Pellets	
ISO Shortname	ISO1874-PA6, MHR, 10-090, GF30	
Processing	Injection molding	
Region	Asia Pacific	

Descriptive Properties	Europe Value	Comments
	Near East/Africa	
	North America	
	South and Central America	

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