

Lanxess Durethan® TP 036-052 000000 Nylon 6, 60% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 60% Glass Fiber Filled

Material Notes:

PA 6, injection molding grade, 60% glass fibers, good flowability (Easy Flow), good heat-resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-TP-036-052-000000-Nylon-6-60-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	159 MPa	23100 psi	Conditioned; ISO 527-1/-2
	240 MPa	34800 psi	ISO 527-1/-2
Elongation at Break	2.6 %	2.6 %	ISO 527-1/-2
	3.8 %	3.8 %	Conditioned; ISO 527-1/-2
Tensile Modulus	12.5 GPa	1810 ksi	Conditioned; ISO 527-1/-2
	19.3 GPa	2800 ksi	ISO 527-1/-2
Impact	4.3	4.3	Puncture maximum force (N); ISO 6603-2
	3.8 @Temperature -30.0 °C	3.8 @Temperature -22.0 °F	Puncture maximum force (N); ISO 6603-2
Puncture Energy	1476 J	1089 ft-lb	ISO 6603-2
	1346 J @Temperature -30.0 °C	992.8 ft-lb @Temperature -22.0 °F	ISO 6603-2
	1346 J @Temperature -30.0 °C	992.8 ft-lb @Temperature -22.0 °F	Conditioned; ISO 6603-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	10.0 Åµm/m-Å°C	5.56 Åµin/in-Å°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	90.0 Åµm/m-Å°C	50.0 Åµin/in-Å°F	ISO 11359-1/-2

Thermal Properties	Metric	English	Comments
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)	213 Â°C	415 Â°F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	186 Â°C	367 Â°F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Features	Heat stabilized or stable to heat	
Form	Pellets	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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