

Lanxess Durethan® DP 2802/30 000000 Nylon 66, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Glass Fiber Filled, Flame Retardant

Material Notes:

PA 66 injection molding grade, 30% glass fibers, UL 94V-2 at 0.75 mm , GWFI:960°C at 0.75 mm, GWIT: 775°C at 0,75 mm, halogen-free
Application Examples: mixer insert for blenders, washing machine front panels

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-280230-000000-Nylon-66-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Viscosity Test	127 cm ³ /g	127 cm ³ /g	Viscosity number; ISO 307, 1157, 1628
Linear Mold Shrinkage, Flow	0.0064 cm/cm	0.0064 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0077 cm/cm	0.0077 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.0 MPa	8120 psi	Conditioned; ISO 527-1/-2
	85.0 MPa	12300 psi	ISO 527-1/-2
Tensile Strength, Yield	58.0 MPa	8410 psi	Conditioned; ISO 527-1/-2
Elongation at Break	3.5 %	3.5 %	ISO 527-1/-2
	13.2 %	13.2 %	Conditioned; ISO 527-1/-2
Elongation at Yield	7.8 %	7.8 %	Conditioned; ISO 527-1/-2
Tensile Modulus	3.90 GPa	566 ksi	Conditioned; ISO 527-1/-2
	6.00 GPa	870 ksi	ISO 527-1/-2
Charpy Impact Unnotched	3.50 J/cm ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
	6.00 J/cm ² @Temperature 23.0 °C	28.6 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
	<= 1.00 J/cm ²	<= 4.76 ft-lb/in ²	

Mechanical Properties	Metric @ Temperature 23.0 Â°C	English @ Temperature 73.4 Â°F	Comments Conditioned, ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	71.0 Âµm/m-Â°C	39.4 Âµin/in-Â°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	39.0 Âµm/m-Â°C	21.7 Âµin/in-Â°F	ISO 11359-1/-2
Melting Point	263 Â°C	505 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	250 Â°C	482 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	155 Â°C	311 Â°F	ISO 75-1/-2
Flammability, UL94	V-2	V-2	IEC 60695-11-10
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-2	V-2	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	33.0 kV/mm	838 kV/in	IEC 60243-1
Comparative Tracking Index	600 V	600 V	IEC 60112

Descriptive Properties	Value	Comments
Additives	Flame retarding agent	
Features	Flame retardant	
Form	Pellets	
ISO Shortname	ISO 1874-PA 66, MF,14-060,GF30; ISO 1043-PA GF FR(30)	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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