

Lanxess Durethan® DP 2037/30 H2.0 LT 904040 Nylon 6, 30% Glass Fiber

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

Material Notes:

PA 6, 30% glass fibers, black colored for laser transmission-welding (laser-transparent), good heat-ageing resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-203730-H20-LT-904040-Nylon-6-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Viscosity Test	125 cm ³ /g	125 cm ³ /g	Viscosity number; ISO 307, 1157, 1628
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0035 cm/cm	0.0035 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	Conditioned; ISO 527-1/-2
	175 MPa	25400 psi	ISO 527-1/-2
Tensile Strength, Yield	125 MPa	18100 psi	Conditioned; ISO 527-1/-2
	175 MPa	25400 psi	ISO 527-1/-2
Elongation at Break	3.6 %	3.6 %	ISO 527-1/-2
	5.8 %	5.8 %	Conditioned; ISO 527-1/-2
Elongation at Yield	3.3 %	3.3 %	ISO 527-1/-2
	4.2 %	4.2 %	Conditioned; ISO 527-1/-2
Tensile Modulus	7.25 GPa	1050 ksi	Conditioned; ISO 527-1/-2
	9.50 GPa	1380 ksi	ISO 527-1/-2
Puncture Energy	2.90 J	2.14 ft-lb	ISO 6603-2
	4.20 J	3.10 ft-lb	Conditioned; ISO 6603-2
	3.10 J	2.29 ft-lb	ISO 6603-2
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.10 J	2.29 ft-lb	
	@Temperature -30.0	@Temperature -22.0	Conditioned; ISO 6603-2

Mechanical Properties	°C Metric	°F English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	188 °C	370 °F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	76.0 °C	169 °F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Additives	Release agent	
Features	Heat stabilized or stable to heat	
Form	Pellets	
ISO Shortname	1874-1: PA 6,MHR,12,-090,GF30	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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