

Lanxess Durethan® DP A 32 901510 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

Material Notes:

PA 66 standard injection molding grade, non-reinforced, very easy release

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-A-32-901510-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.133 g/cc	0.04093 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0016 cm/cm	0.0016 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	47.0 MPa	6820 psi	Conditioned; ISO 527-1/-2
	98.0 MPa	14200 psi	ISO 527-1/-2
Elongation at Yield	3.6 %	3.6 %	ISO 527-1/-2
Tensile Modulus	1.40 GPa	203 ksi	Conditioned; ISO 527-1/-2
	3.80 GPa	551 ksi	ISO 527-1/-2
Charpy Impact Unnotched	5.50 J/cm ² @Temperature 23.0 °C	26.2 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
	21.3 J/cm ² @Temperature 23.0 °C	101 ft-lb/in ² @Temperature 73.4 °F	Conditioned; ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 µm/m-°C	27.8 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	110 µm/m-°C	61.1 µin/in-°F	ISO 11359-1/-2
Melting Point	261 °C	502 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Additives	Lubricants	
Form	Pellets	
ISO Shortname	ISO 1874-PA 66,MR, 14-030	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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