

Wellman Wellamid® NY1718-N1 General Purpose Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Description: General Purpose Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-NY1718-N1-General-Purpose-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.0090 - 0.013 cm/cm	0.0090 - 0.013 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527-93
Elongation at Break	20 %	20 %	ISO 527-93
Flexural Strength	110 MPa	16000 psi	ISO 178-93
Flexural Modulus	2.80 GPa	406 ksi	ISO 178-93
Izod Impact, Notched (ISO)	4.50 kJ/m ²	2.14 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75-93

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