

Wellman Wellamid® NY1820-BK1(PTFE) Lubricated, Heat Stabilized Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Heat Stabilized

Material Notes:

Description: Lubricated, Heat Stabilized Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-NY1820-BK1PTFE-Lubricated-Heat-Stabilized-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.020 - 0.024 cm/cm	0.020 - 0.024 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527-93
Elongation at Break	10 %	10 %	ISO 527-93
Flexural Strength	95.0 MPa	13800 psi	ISO 178-93
Flexural Modulus	2.80 GPa	406 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.50 kJ/m ²	1.67 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ISO 75-93

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