

Wellman Wellamid® XT1816-BK1 Toughened Nylon 66

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

Material Notes:

Description: Toughened Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-XT1816-BK1-Toughened-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.023 cm/cm	0.023 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	ISO 527-93
Elongation at Break	100 %	100 %	ISO 527-93
Flexural Strength	65.0 MPa	9430 psi	ISO 178-93
Flexural Modulus	1.62 GPa	235 ksi	ISO 178-93
Izod Impact, Notched (ISO)	65.0 kJ/m ²	30.9 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)	60.0 °C	140 °F	ISO 75-93

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