

Wellman Wellamid® XT1863-BK1 Impact Modified Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Description: Impact Modified Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-XT1863-BK1-Impact-Modified-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 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	0.017 - 0.021 cm/cm	0.017 - 0.021 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ISO 527-93
Elongation at Break	60 %	60 %	ISO 527-93
Flexural Strength	70.0 MPa	10200 psi	ISO 178-93
Flexural Modulus	2.20 GPa	319 ksi	ISO 178-93
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 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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