

Wellman Wellamid® NB1803E-BK Nylon/Polypropylene Alloy

Category : Polymer , Thermoplastic , Nylon , Polypropylene (PP)

Material Notes:

Description: Nylon/Polypropylene Alloy Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-NB1803E-BK-NylonPolypropylene-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.014 - 0.018 cm/cm	0.014 - 0.018 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	50.0 MPa	7250 psi	ISO 527-93
Elongation at Break	95 %	95 %	ISO 527-93
Flexural Strength	65.0 MPa	9430 psi	ISO 178-93
Flexural Modulus	1.75 GPa	254 ksi	ISO 178-93
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 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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