

Wellman Wellamid® 42LH-XE-NBK1 Nylon 6, Engineering Grade

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

Material Notes:

All information provided by Wellman Engineered Resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-42LH-XE-NBK1-Nylon-6-Engineering-Grade.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.013 - 0.017 cm/cm	0.013 - 0.017 in/in	DIS 294-4
Linear Mold Shrinkage, Transverse	0.013 - 0.017 cm/cm	0.013 - 0.017 in/in	DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ISO 527-93
Elongation at Break	30 %	30 %	ISO 527-93
Flexural Strength	95.0 MPa	13800 psi	ISO 178-93
Flexural Modulus	2.70 GPa	392 ksi	ISO 178-93
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 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)	55.0 °C	131 °F	ISO 75-93

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