

Wellman Wellamid® 42L-XE-N 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-42L-XE-N-Nylon-6-Engineering-Grade.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	DIS 294-4
Linear Mold Shrinkage, Transverse	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	ISO 527-93
Elongation at Break	65 %	65 %	ISO 527-93
Flexural Strength	100 MPa	14500 psi	ISO 178-93
Flexural Modulus	2.60 GPa	377 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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