

Wellman Wellamid® XT1573-N 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-XT1573-N-Impact-Modified-Nylon-66.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-----------------------|---------------------------|---------------|
| Density | 1.11 g/cc | 0.0401 lb/in ³ | ISO 1183-87 |
| Linear Mold Shrinkage, Flow | 0.0158 - 0.0198 cm/cm | 0.0158 - 0.0198 in/in | ISO DIS 294-4 |
| Linear Mold Shrinkage, Transverse | 0.0199 - 0.0239 cm/cm | 0.0199 - 0.0239 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 | 65 % | 65 % | ISO 527-93 |
| Flexural Strength | 73.0 MPa | 10600 psi | ISO 178-93 |
| Flexural Modulus | 1.925 GPa | 279.2 ksi | ISO 178-93 |
| Izod Impact, Notched (ISO) | 15.0 kJ/m ² | 7.14 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) | 50.0 °C | 122 °F | ISO 75-93 |

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