

Unitika ET2025 PA6, Conditioned

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

Material Notes:

High-impact nylon Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-ET2025-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.7 %	1.7 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.022 cm/cm @Thickness 3.20 mm	0.022 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.024 cm/cm @Thickness 3.20 mm	0.024 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.0 MPa	5510 psi	ISO 527-1/-2
Elongation at Break	>= 200 %	>= 200 %	ISO 527-1/-2
Tensile Modulus	0.800 GPa	116 ksi	ISO 527-1/-2
Flexural Strength	25.0 MPa	3630 psi	ISO 178
Flexural Modulus	0.800 GPa	116 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179-1
Charpy Impact, Notched	9.00 J/cm ²	42.8 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ISO 11359-2

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