

Unitika RUN35-TA Light resistant PA6, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Light resistant and internal information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-RUN35-TA-Light-resistant-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	ASTM D792
Moisture Absorption at Equilibrium	0.93 %	0.93 %	50% RH
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	88	88	ASTM D785
Tensile Strength at Break	141 MPa	20500 psi	ASTM D638
Elongation at Break	2.9 %	2.9 %	ASTM D638
Tensile Modulus	19.4 GPa	2810 ksi	ASTM D638
Flexural Strength	215 MPa	31200 psi	ASTM D790
Flexural Modulus	17.8 GPa	2580 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	1.40 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	0.778 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	183 $^{\circ}\text{C}$	361 $^{\circ}\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	205 $^{\circ}\text{C}$	401 $^{\circ}\text{F}$	ASTM D648

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