

PolyOne Therma-Tech™ NJC-7500 Nylon 12 (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Therma-Tech-NJC-7500-Nylon-12-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.677 g/cc	1.677 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	39.61 MPa	5745 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	0.4272 %	0.4272 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	14.50 GPa	2103 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	68.83 MPa	9983 psi	ASTM D790
Flexural Modulus	11.42 GPa	1656 ksi	ASTM D790
Izod Impact, Notched	0.184 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.345 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	>= 25.00 W/m-K	>= 173.5 BTU-in/hr-ft ² -°F	ASTM C177

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	49000 ohm	49000 ohm	ASTM D257

Descriptive Properties	Value	Comments
Product Form	Pellets	

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