

PolyOne Therma-Tech™ NJC-8500 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-8500-Nylon-12-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.546 g/cc	1.546 g/cc	ASTM D792
Linear Mold Shrinkage	0.0041 cm/cm	0.0041 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	37.17 MPa	5391 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	0.7152 %	0.7152 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	10.31 GPa	1495 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	70.292 MPa	10195 psi	ASTM D790
Flexural Modulus	7.888 GPa	1144 ksi	ASTM D790
Izod Impact, Notched	0.246 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.461 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	>= 36.99 W/m-K	>= 256.7 BTU-in/hr-ft ² -°F	ASTM C177

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	110000 ohm	110000 ohm	ASTM D257

Descriptive Properties	Value	Comments
Product Form	Pellets	

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