

DuPont Performance Polymers Zytel® FG133F1 NC010 Nylon 66 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Unreinforced Polyamide 66 with Developed for Food Contact Applications Zytel FG133F1 NC010 is a nucleated PA 66. It has been developed for consideration into applications such as parts for the food industry. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-FG133F1-NC010-Nylon-66-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	50%RH; ISO 527-1/-2
	93.0 MPa	13500 psi	DAM; ISO 527-1/-2
Elongation at Break	14 %	14 %	DAM; Nominal; ISO 527-1/-2
	40 %	40 %	50%RH; Nominal; ISO 527-1/-2
Elongation at Yield	4.7 %	4.7 %	DAM; ISO 527-1/-2
	19 %	19 %	50%RH; ISO 527-1/-2
Tensile Modulus	1.94 GPa	281 ksi	50%RH; ISO 527-1/-2
	3.40 GPa	493 ksi	DAM; ISO 527-1/-2
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	DAM; ISO 179/1eA
	1.00 J/cm ²	4.76 ft-lb/in ²	50%RH; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	DAM; 10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	221 °C	430 °F	DAM; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	DAM; ISO 75-1/-2

Descriptive Properties	Value	Comments
Additives	Release agent	
Delivery Form	Pellets	
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	

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