

DuPont Performance Polymers Hytrel® SC988 NC010 TPC-ET (Unverified Data)**

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester, TP , Polyester Thermoplastic Elastomer

Material Notes:

Hytrel® SC988 NC010 is the highest modulus grade, with nominal hardness of 82D, contains a non-discoloring stabilizer. Can be processed by various thermoplastic processing techniques. Developed for applications such as parts for the healthcare industry.Information provided by DuPont Performance Polymers

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-SC988-NC010-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	<= 82	<= 82	ISO 868
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527 (1BA bar)
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	400 %	400 %	ISO 527 (1BA bar)
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	1.18 GPa	171 ksi	ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.50 J/cm²	7.14 ft-lb/in²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	10°C/min; ISO 11357-1/-3

Descriptive Properties	Value	Comments
Additive	Antioxidant	
Appearance	Natural Color	
	Natural Color	
Features	Chemical Resistance	
	Creep Resistance, Good	

Descriptive Properties	Energy Absorption, High Value	Comments
	Food Contact Acceptable	
	Hardness, High	
	Noise Dampening	
Forms	Pellets	
Generic	TPC-ET	
Material Status	Preliminary Data	
Part Marking Code	>TPC-ET<	ISO 11469
Processing Method	Casting	
	Extrusion Resins	
	Injection Molding	
Product Category	Extrusion Resins	
	Healthcare Resins	
Region Available - Global	Yes	
Resin Identification	TPC-ET	ISO 1043
RoHS Compliance	Contact Manufacturer	
Uses	Medical Applications	

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