

DuPont Performance Polymers Hytrel® G3548 NC010 Polyester Elastomer TPC-ET (Unverified Data**)

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

Material Notes:

35 Shore D Standard Performance Polyester Elastomer with Non-discoloring Stabilizer Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-G3548-NC010-Polyester-Elastomer-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ISO 1183
Water Absorption	12 % @Thickness 2.00 mm	12 % @Thickness 0.0787 in	Sim. to ISO 62
Moisture Absorption	0.800 % @Thickness 2.00 mm	0.800 % @Thickness 0.0787 in	Sim. to ISO 62
Water Absorption at Saturation	6.9 %	6.9 %	Immersion 24h; ASTM D570
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	24	24	15s; ISO 868
Tensile Strength at Break	10.0 MPa	1450 psi	ISO 527-1/-2
Tensile Stress	1.50 MPa @Strain 5.00 %	218 psi @Strain 5.00 %	ISO 527-1/-2
	2.50 MPa @Strain 10.0 %	363 psi @Strain 10.0 %	ISO 527-1/-2
	6.00 MPa @Strain 50.0 %	870 psi @Strain 50.0 %	ISO 527-1/-2
Elongation at Break	190 %	190 %	ISO 527-1/-2
	200 %	200 %	Nominal; ISO 527-1/-2
Tensile Modulus	0.0250 GPa	3.63 ksi	ISO 527-1/-2

Flexural Modulus Mechanical Properties	0.0250 GPa Metric	3.63 ksi English	ISO 178 Comments
Charpy Impact, Notched	NB	NB	ISO 179/1eA
	NB @Temperature -40.0 °C	NB @Temperature -40.0 °F	ISO 179/1eA
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 179/1eA
Tear Strength	60.0 kN/m	342 pli	parallel; ISO 34-1
	80.0 kN/m	456 pli	normal; ISO 34-1

Thermal Properties	Metric	English	Comments
Melting Point	157 °C	315 °F	10°C/min; ISO 11357-1/-3
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	IEC 60695-11-10

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>TPC-ET<	ISO 11469
Processing	Film Extrusion	
	Injection Moulding	
	Other Extrusion	
	Profile Extrusion	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	TPC-ET	ISO 1043

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