

DuPont Performance Polymers Hytrel® G4078LS NC010 Polyester Elastomer TPC-ET (Unverified Data**)

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

Material Notes:

40 Shore D Standard Performance Polyester Elastomer with Light Protection Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-G4078LS-NC010-Polyester-Elastomer-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 1183
Water Absorption	6.8 % @Thickness 2.00 mm	6.8 % @Thickness 0.0787 in	Sim. to ISO 62
Moisture Absorption	0.700 % @Thickness 2.00 mm	0.700 % @Thickness 0.0787 in	Sim. to ISO 62
Water Absorption at Saturation	3.5 %	3.5 %	Immersion 24h; ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.012 cm/cm	0.012 in/in	ISO 294-4 2577
Melt Flow	6.5 g/10 min @Load 2.16 kg, Temperature 190 °C	6.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	21.0 MPa	3050 psi	ISO 527-1/-2
Tensile Stress	4.20 MPa @Strain 10.0 %	609 psi @Strain 10.0 %	ISO 527-1/-2
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
Tensile Modulus	0.0540 GPa	7.83 ksi	ISO 527-1/-2
Flexural Modulus	0.0580 GPa	8.41 ksi	ISO 178
Charpy Impact, Notched	NB	NB	ISO 179/1eA
	NB @Temperature -40.0 °C	NB @Temperature -40.0 °F	ISO 179/1eA
Tear Strength	70.0 kN/m	399 pli	parallel; ISO 34-1

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	10°C/min; ISO 11357-1/-3

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>TPC-ET<	ISO 11469
Processing	Casting	
	Film Extrusion	
	Injection Moulding	
	Other Extrusion	
	Profile Extrusion	
	Sheet Extrusion	
	Thermoforming	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	TPC-ET	ISO 1043
Special Characteristics	Light stabilised or stable to light	

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