

DuPont Performance Polymers Hytrel® 7246HS BK320 Polyester Elastomer TPC-ET (Unverified Data**)

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

Material Notes:

72 Shore D High Performance Polyester Elastomer with Heat Ageing Protection Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-7246HS-BK320-Polyester-Elastomer-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	15s; ISO 868
	<= 70	<= 70	ISO 868
Tensile Strength at Break	53.0 MPa	7690 psi	ISO 527-1/-2
Tensile Stress	23.0 MPa	3340 psi	ISO 527-1/-2
	@Strain 10.0 %	@Strain 10.0 %	
	24.0 MPa	3480 psi	ISO 527-1/-2
	@Strain 50.0 %	@Strain 50.0 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
	560 %	560 %	Nominal; ISO 527-1/-2
Tensile Modulus	0.480 GPa	69.6 ksi	ISO 527-1/-2
Flexural Modulus	0.515 GPa	74.7 ksi	ISO 178
Shear Strength	0.109 MPa	15.8 psi	ISO 11403-1 -2
	@Shear Rate 500 1/s, Temperature 260 °C	@Shear Rate 500 1/s, Temperature 500 °F	
	0.1615 MPa	23.42 psi	ISO 11403-1 -2
	@Shear Rate 500 1/s, Temperature 240 °C	@Shear Rate 500 1/s, Temperature 464 °F	
	0.234 MPa	33.9 psi	ISO 11403-1 -2
	@Shear Rate 500 1/s, Temperature 220 °C	@Shear Rate 500 1/s, Temperature 428 °F	
Tear Strength	167 kN/m	953 pli	normal; ISO 34-1

Mechanical Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Melting Point	216 °C	421 °F	10°C/min; ISO 11357-1/-3
Brittleness Temperature	-70.0 °C	-94.0 °F	ISO 974

Descriptive Properties	Value	Comments
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Part Marking Code	>TPC-ET<	ISO 11469
Processing	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	Heat stabilised or stable to heat	

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