

DuPont Performance Polymers Hytrel® HTR8730 BK320 Polyester Elastomer TPC-ET (Unverified Data**)

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

Material Notes:

63 Shore D High Viscosity Polyester Elastomer with Excellent Mechanical Properties at Elevated Temperatures Developed for Blow Molding Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-HTR8730-BK320-Polyester-Elastomer-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Water Absorption	0.50 %	0.50 %	DS; Sim. to ISO 62
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Moisture Absorption	0.200 %	0.200 %	DS; Sim. to ISO 62
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Water Absorption at Saturation	0.30 %	0.30 %	Immersion 24h; ASTM D570
Linear Mold Shrinkage, Flow	0.019 cm/cm	0.019 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.021 cm/cm	0.021 in/in	ISO 294-4 2577
Melt Flow	5.0 g/10 min	5.0 g/10 min	cm ³ /10min; ISO 1133
	@Load 10.0 kg, Temperature 230 °C	@Load 22.0 lb, Temperature 446 °F	
	5.0 g/10 min	5.0 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 230 °C	@Load 22.0 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	15s; ISO 868
Tensile Strength at Break	41.0 MPa	5950 psi	ISO 527-1/-2
Tensile Stress	10.0 MPa	1450 psi	ISO 527-1/-2
	@Strain 5.00 %	@Strain 5.00 %	
	15.0 MPa	2180 psi	ISO 527-1/-2
	@Strain 10.0 %	@Strain 10.0 %	

Mechanical Properties	Metric Pa	English	Comments
	@Strain 50.0 %	@Strain 50.0 %	ISO 527-1/-2
	24.0 MPa	3480 psi	ISO 527-1/-2
	@Strain 100 %	@Strain 100 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
	450 %	450 %	Nominal; ISO 527-1/-2
Tensile Modulus	0.270 GPa	39.2 ksi	ISO 527-1/-2
Flexural Modulus	0.290 GPa	42.1 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	NB	NB	ISO 179/1eA
	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Tear Strength	150 kN/m	856 pli	normal; ISO 34-1
	180 kN/m	1030 pli	parallel; ISO 34-1

Thermal Properties	Metric	English	Comments
Melting Point	212 °C	414 °F	10°C/min; ISO 11357-1/-3
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>TPC-ET<	ISO 11469
Processing	Blow Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	

Descriptive Properties	Value America	Comments
	South and Central America	
Resin Identification	TPC-ET	ISO 1043
Special Characteristics	Heat stabilised or stable to heat	
	Light stabilised or stable to light	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China