

DuPont Performance Polymers Hytel® HTR8241 TPC-ET (Unverified Data**)

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

Material Notes:

Hytel® HTR8241 is a 65 nom.Shore D, non discoloring stabilizer, plasticiser free high performance resin for extrusion; high viscosity; outstanding mechanical properties up to 120°C and excellent oil, hydraulic fluids and grease resistance. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytel-HTR8241-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Melt Flow	4.8 g/10 min @Load 2.16 kg, Temperature 230 °C	4.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	<= 65	<= 65	ISO 868
	63 @Time 15.0 sec	63 @Time 0.00417 hour	ISO 868
Tensile Strength at Break	31.0 MPa @Temperature 23.0 °C	4500 psi @Temperature 73.4 °F	ISO 527 (1BA bar)
Tensile Stress	17.6 MPa @Strain 10.0 %, Temperature 23.0 °C	2550 psi @Strain 10.0 %, Temperature 73.4 °F	ISO 527 (1BA bar)
Elongation at Break	265 % @Temperature 23.0 °C	265 % @Temperature 73.4 °F	ISO 527 (1BA bar)
Tensile Modulus	0.340 GPa @Temperature 23.0 °C	49.3 ksi @Temperature 73.4 °F	ISO 527
Flexural Modulus	0.325 GPa @Temperature 23.0 °C	47.1 ksi @Temperature 73.4 °F	ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ² @Temperature -40.0 °C	5.23 ft-lb/in ² @Temperature -40.0 °F	ISO 180/1A
	NB @Temperature 0.000 °C	NB @Temperature 32.0 °F	ISO 180/1A

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	212 °C	414 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ISO 75-1/-2
Brittleness Temperature	<= 70.0 °C	<= 158 °F	ISO 974

Processing Properties	Metric	English	Comments
Melt Temperature	235 °C	455 °F	Optimum; Extrusion
	245 °C	473 °F	Optimum; Injection Molding
Mold Temperature	45.0 °C	113 °F	optimum; Injection Molding
	45.0 - 55.0 °C	113 - 131 °F	Injection Molding
Drying Temperature	100 °C	212 °F	Extrusion
	100 °C	212 °F	Injection Molding
Dry Time	2.00 - 3.00 hour	2.00 - 3.00 hour	Extrusion
	2.00 - 3.00 hour	2.00 - 3.00 hour	Injection Molding
Moisture Content	<= 0.080 %	<= 0.080 %	Extrusion
	<= 0.080 %	<= 0.080 %	Injection Molding

Descriptive Properties	Value	Comments
Generic	TPC-ET	
Part Marking Code	>TPC-ET<	ISO 11469
Product Category	Extrusion Resins	
	Specialty Resins	
Resin Identification	TPC-ET	ISO 1043

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