

DuPont Performance Polymers Hytrel® HTR8539 BK316 TPC-ET (Unverified Data**)

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

Material Notes:

Hytrel® HTR8539 is a 72 Shore D, plasticiser free, high performance resin for extrusion. It has high viscosity. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-HTR8539-BK316-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Melt Flow	7.5 g/10 min @Load 10.0 kg, Temperature 250 °C	7.5 g/10 min @Load 22.0 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70 @Time 15.0 sec	70 @Time 0.00417 hour	ISO 868
Tensile Strength at Break	40.0 MPa @Temperature 23.0 °C	5800 psi @Temperature 73.4 °F	ISO 527 (1BA bar)
Tensile Stress	30.0 MPa @Strain 10.0 %, Temperature 23.0 °C	4350 psi @Strain 10.0 %, Temperature 73.4 °F	ISO 527 (1BA bar)
Elongation at Break	200 % @Temperature 23.0 °C	200 % @Temperature 73.4 °F	ISO 527 (1BA bar)
Tensile Modulus	0.900 GPa @Temperature 23.0 °C	131 ksi @Temperature 73.4 °F	ISO 527
Charpy Impact, Notched	0.700 J/cm ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	217 °C	423 °F	10°C/min; ISO 11357-1/-3
Brittleness Temperature	-70.0 °C	-94.0 °F	ISO 974

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Optimum; Extrusion
Drying Temperature	100 - 130 °C	212 - 266 °F	Extrusion
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	Extrusion
Moisture Content	<= 0.060 %	<= 0.060 %	Extrusion

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

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