

DuPont Performance Polymers Hytel® HTR237BG BK320 TPC-ET (Unverified Data**)

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

Material Notes:

Hytel® HTR237BG is designed for blow molding or processing techniques requiring high viscosity. It has nominal durometer hardness of 45D, is pigmented black with fine particle size carbon black and contains a general purpose stabilizer. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytel-HTR237BG-BK320-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ISO 1183
Melt Flow	0.40 g/10 min @Load 2.16 kg, Temperature 220 °C	0.40 g/10 min @Load 4.76 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	<= 45	<= 45	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	7.60 MPa @Strain 10.0 %, Temperature 23.0 °C	1100 psi @Strain 10.0 %, Temperature 73.4 °F	ISO 527 (1BA bar)
Elongation at Break	309 % @Temperature 23.0 °C	309 % @Temperature 73.4 °F	ISO 527 (1BA bar)
Izod Impact, Notched (ISO)	NB @Temperature -40.0 °C	NB @Temperature -40.0 °F	ISO 180/1A
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	199 °C	390 °F	10°C/min; ISO 11357-1/-3
Brittleness Temperature	-100 °C	-148 °F	ISO 974
Glass Transition Temp, Tg	-45.0 °C	-49.0 °F	10°C/min; ISO 11357-1/-2

Processing Properties	Metric	English	Comments
Drying Temperature	110 °C	230 °F	Blow Molding
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	Blow Molding
Moisture Content	<= 0.020 %	<= 0.020 %	Blow Molding

Descriptive Properties	Value	Comments
Appearance	Black Color	
Forms	Pellets	
Generic	TPC-ET	
Material Status	Preliminary Data	
Part Marking Code	>TPC-ET<	ISO 11469
Processing Method	Blow Moldable	
Product Category	Blow Moldable Resins	
Region Available - Global	Yes	
Resin Identification	TPC-ET	ISO 1043
RoHS Compliance	Contact Manufacturer	

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