

Hytrel® HTR8782 BK320

THERMOPLASTIC POLYESTER ELASTOMER

DuPont Performance Polymers

Message:

44 Shore D, High Viscosity Polyester Elastomer with Superior Fatigue Resistance Developed for Blow Molding

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Blow Molding Applications		
	Profiles		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Profile Extrusion		
Part Marking Code (ISO 11469)	>TPC-ET<		
Resin ID (ISO 1043)	TPC-ET		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.2	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	42		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	110	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	33.0	MPa	
10% Strain	8.90	MPa	
Tensile Strain (Break)	> 300	%	ISO 527-2
Flexural Modulus	120	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ISO 34-1
Across Flow	95	kN/m	
Flow	110	kN/m	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	207	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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