

Hytrel® HTR8609 BK320

THERMOPLASTIC POLYESTER ELASTOMER

DuPont Performance Polymers

Message:

Hytrel® HTR8609 BK320 is a THERMOPLASTIC POLYESTER ELASTOMER product. It can be processed by blow molding or extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Heat Stabilizer

UV Stabilized

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Heat Stabilized		
Uses	Blow Molding Applications		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Multi-Point Data	Isothermal Stress vs. Strain (TPE) (ISO 11403-1)		
Part Marking Code (ISO 11469)	>TPC-ET<		
Resin ID (ISO 1043)	TPC-ET		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	1.80	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.8	%	
Flow	1.8	%	
Water Absorption (Equilibrium, 23°C, 2.00 mm, 50% RH)	0.34	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	59		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	240	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	37.0	MPa	
10% Strain	15.0	MPa	
50% Strain	20.0	MPa	
100% Strain	22.0	MPa	
Tensile Strain (Break)	300	%	ISO 527-2

Flexural Modulus	280	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ISO 34-1
Across Flow	130	kN/m	
Flow	160	kN/m	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	11	kJ/m ²	
23°C	96	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	207	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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