

Hytrel® HTR6108

THERMOPLASTIC POLYESTER ELASTOMER

DuPont Performance Polymers

Message:

Hytrel® HTR6108 is a THERMOPLASTIC POLYESTER ELASTOMER product. It can be processed by blow molding, coating, extrusion, film extrusion, injection molding, profile extrusion, sheet extrusion, or thermoforming and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Hytrel® HTR6108 include film and sheet.

General Information			
Uses	Blow Molding Applications		
	Film		
	Profiles		
	Sheet		
Forms	Pellets		
Processing Method	Blow Molding		
	Coating		
	Extrusion		
	Film Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Part Marking Code (ISO 11469)	>TPC-ET<		
	TPC-ET		
Resin ID (ISO 1043)	TPC-ET		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	5.20	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.70	%	
Flow	0.30	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	61		
Shore D, 15 sec	55		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	110	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	17.0	MPa	

5.0% Strain	5.50	MPa	
10% Strain	7.50	MPa	
50% Strain	9.50	MPa	
Tensile Strain (Break)	160	%	ISO 527-2
Nominal Tensile Strain at Break	270	%	ISO 527-2
Flexural Modulus	120	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ISO 34-1
Across Flow	120	kN/m	
Flow	110	kN/m	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-65.0	°C	ISO 974
Melting Temperature ¹	165	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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