

Hytrel® 7246HS BK320

THERMOPLASTIC POLYESTER ELASTOMER

DuPont Performance Polymers

Message:

72 Shore D High Performance Polyester Elastomer with Heat Ageing Protection

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Film		
	Profiles		
	Sheet		
Processing Method	Extrusion		
	Film Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
	Thermoforming		
Multi-Point Data	Shear Stress vs. Shear Rate (ISO 11403-1)		
Part Marking Code (ISO 11469)	>TPC-ET<		
Resin ID (ISO 1043)	TPC-ET		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	70		
Shore D, 15 sec	66		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	480	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	53.0	MPa	
10% Strain	23.0	MPa	
50% Strain	24.0	MPa	
Tensile Strain (Break)	> 300	%	ISO 527-2
Nominal Tensile Strain at Break	560	%	ISO 527-2
Flexural Modulus	515	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ISO 34-1

Across Flow	170	kN/m	
Flow	180	kN/m	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ISO 974
Melting Temperature ¹	216	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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