

Hytrel® G4078LS NC010

THERMOPLASTIC POLYESTER ELASTOMER

DuPont Performance Polymers

Message:

40 Shore D Standard Performance Polyester Elastomer with Light Protection

General Information			
Additive	UV Stabilizer		
Uses	Film		
	Profiles		
	Sheet		
Forms	Pellets		
Processing Method	Casting		
	Extrusion		
	Film Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
	Thermoforming		
Multi-Point Data	Isothermal Stress vs. Strain (TPE) (ISO 11403-1)		
	Tensile Modulus vs. Temperature (ISO 11403-1)		
Part Marking Code (ISO 11469)	>TPC-ET<		
Resin ID (ISO 1043)	TPC-ET		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.2	%	
Flow	0.50	%	
Water Absorption			
24 hr	3.5	%	ASTM D570
23°C, 24 hr, 2.00 mm	6.8	%	ISO 62
Equilibrium, 23°C, 2.00 mm, 50% RH	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	54.0	MPa	ISO 527-2
Tensile Stress			ISO 527-2

Break	21.0	MPa	
10% Strain	4.20	MPa	
Tensile Strain (Break)	> 300	%	ISO 527-2
Flexural Modulus	58.0	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength - Flow	70	kN/m	ISO 34-1
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	175	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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