

Hytrel® G3548 NC010

THERMOPLASTIC POLYESTER ELASTOMER

DuPont Performance Polymers

Message:

35 Shore D Standard Performance Polyester Elastomer with Non-discoloring Stabilizer

General Information			
Uses	Film		
	Profiles		
Forms	Pellets		
Processing Method	Extrusion		
	Film Extrusion		
	Injection Molding		
	Profile Extrusion		
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	1.15	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.90	%	
Flow	0.70	%	
Water Absorption			
24 hr	6.9	%	ASTM D570
23°C, 24 hr, 2.00 mm	12	%	ISO 62
Equilibrium, 23°C, 2.00 mm, 50% RH	0.80	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	24		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	25.0	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	10.0	MPa	
5.0% Strain	1.50	MPa	
10% Strain	2.50	MPa	
50% Strain	6.00	MPa	
Tensile Strain (Break)	190	%	ISO 527-2

Nominal Tensile Strain at Break	200	%	ISO 527-2
Flexural Modulus	25.0	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ISO 34-1
Across Flow	80	kN/m	
Flow	60	kN/m	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	No Break		
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	157	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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