DuPont™

thermoplastic polyester elastomer

is a medium modulus grade with nominal hardness of It contains discoloring stabilizer. It can be processed by many conventional thermoplastic processing techniques like injection molding and extrusion.

Property	Test Method	Units	Value
Identification			
Resin Identification	ISO 1043		TPC-ET
Part Marking Code	ISO 11469		>TPC-ET<
Mechanical			
Tensile Stress	ISO 527	MPa (kpsi)	
@ 5% Strain			6.0 (0.9)
@ 10% Strain			11 (1.6)
@ 50% Strain			9.0 (1.3)
Stress at Break	ISO 527	MPa (kpsi)	23 (3.3)
Strain at Break	ISO 527	%	300
Nominal Strain at Break	ISO 527	%	450
Tensile Modulus	ISO 527	MPa (kpsi)	185 (27)
Flexural Modulus	ISO 178	MPa (kpsi)	
-40°C (-40°F)			810 (117)
23°C (73°F)			183 (26.5)
100°C (212°F)			100 (14)
Hardness, Shore D	ISO 868		
15s			50
Maximum			55
Tensile Impact Strength	ISO 8256	kJ/m^2	285
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m^2	
-40°C (-40°F)			19
-30°C (-22°F)			45
23°C (73°F)			90
Unnotched Charpy Impact Strength	ISO 179/1eU	kJ/m^2	NB

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.
Test specimen for ISO 527 is 1BA (2mm) at 50mm/min; all other ISO & ASTM mechanical properties measured at 4mm; ISO electrical properties measured at 2mm.
All mechanical & electrical properties measured on injection molded specimens.
Test temperatures are 23°C unless otherwise stated.

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