

Product Information

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 specimens for ISO 157 to IBA (2mm) or 10mm/min; all other ISO & ASTM mechanical properties measured at 2mm; ISO chemical 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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