EASTMAN

Eastman Tritan Copolyester SC900
Preliminary Data Sheet

Property[a]	Test[b] Method	Typical Value, Units[c]
General Properties		
Specific Gravity	D 792	1.18
Mechanical Properties		
Tensile Stress @ Yield	D 638	42 MPa
Tensile Stress @ Break	D 638	55 MPa
Elongation @ Yield	D 638	5%
Elongation @ Break	D 638	180%
Tensile Modulus	D 638	1491 MPa
Flexural Yield Strength	D 790	65 MPa
Rockwell Hardness, R Scale	D 785	102
Izod Impact Strength, Notched		
@ 23°C	D 256	1100 J/m
@ -40°C	D 256	137 J/m
Impact Strength, Unnotched		
@ 23°C	D 4812	NB
@ -40°C	D 4812	NB
Mechanical Properties (ISO Method)		
Tensile Strength @ Yield	ISO 527	41.99 MPa
Tensile Stress @ Break	ISO 527	58.6 MPa
Elongation @ Yield	ISO 527	5%
Elongation @ Break	ISO 527	197%
Tensile Modulus	ISO 527	1468 MPa
Izod Impact Strength, Notched		
@ 23°C	ISO 180	105 kJ/m^2
@ -40°C	ISO 180	14 kJ/m^2
Thermal Properties		
Deflection Temperature		
@ 0.455 MPa	D 648	87.6°C
@ 1.82 MPa	D 648	74.8°C
Optical Properties		
Haze	D 1003	0.29%
Total Transmittance [d]	D 1003	81%

[a] *Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.*
[b] *Unless noted otherwise, the test method is ASTM.*
[c] *Units are in SI or US customary units.*
[d] *1/8" molded chip*

Comments

Properties reported here are based on limited testing. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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