

Mechanical properties	Value	Unit
ISO Data		
Tensile Modulus	2100	MPa
Yield stress	50	MPa
Stress at break	28	MPa
Strain at break	>50	%
Flexural modulus, 23°C	2000	MPa
Izod notched impact strength, +23°C	6.2	kJ/m ²
Izod notched impact strength	4.2	kJ/m ²
Temperature	-40	°C
Puncture energy, +23°C	40	J
ASTM Data		
Tensile Modulus	2068	MPa
Tensile Strength at Yield	50.3	MPa
Tensile Strength at Break	28.3	MPa
Elongation at Break	130	%
Flexural Modulus	2068	MPa
Rockwell Hardness	R106	-
Izod Impact notched, 1/8 in	101	J/m
Izod Impact notched, Low-Temperature	37.4	J/m
Temperature	-40	°C

Thermal properties	Value	Unit
ISO Data		
Glass transition temperature, 10°C/min	80	°C
ASTM Data		
Coefficient of Thermal Expansion, MD	50.4	E-6/K
DTUL @ 66 psi	70	°C
DTUL @ 264 psi	63.9	°C
Glass Transition Temperature	80	°C
Vicat Temperature	85	°C

Electrical properties	Value	Unit
ASTM Data		
Dielectric Strength, Short Time	16.1	kV/mm
Dissipation Factor, 1 MHz	0.02	-
Dielectric Constant, 1 MHz	2.4	-
Surface Resistivity	>1E15	Ohm
Volume Resistivity	10000000000000000	Ohm*cm
Arc Resistance	158	s

Optical properties	Value	Unit
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ASTM Data		
Gloss	108	-
Haze	0.8	%
Light Transmittance	91	%

Other properties	Value	Unit
Water absorption	0.13	%
Density	1270	kg/m ³
Water Absorption, 24hr	0.13	%
Density	1270	kg/m ³

Test Standard
ISO 527
ISO 527
ISO 527
ISO 527
ISO 178
ISO 180/1A
ISO 180/1A
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ISO 6603-2
ASTM D 638
ASTM D 638
ASTM D 638
ASTM D 638
ASTM D 790
ASTM D 785
ASTM D 256
ASTM D 256
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Test Standard
ISO 11357-1/-2
ASTM D 696
ASTM D 648
ASTM D 648
ASTM E 1356
ASTM D 1525

Test Standard
ASTM D 149
ASTM D 150
ASTM D 150
ASTM D 257
ASTM D 257
ASTM D 495

Test Standard

ASTM D 2457
ASTM D 1003
ASTM D 1003

Test Standard
Sim. to ISO 62
ISO 1183
ASTM D 570
ASTM D 792