

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	12400	MPa	ASTM D 638
Tensile Strength at Break	172	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Compressive Strength	220	MPa	ASTM D 695
Flexural Modulus	12400	MPa	ASTM D 790
Flexural Strength	248	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Shore D Hardness	83	-	ASTM D 2240
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	670	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	3.2	mm	-
Coefficient of Thermal Expansion, MD	45	E-6/K	ASTM D 696
DTUL @ 264 psi	260	°C	ASTM D 648
Melting Temperature	360	°C	ASTM D 3418
Glass Transition Temperature	160	°C	ASTM E 1356
Thermal Conductivity, solid state	0.036	W/(m K)	ASTM C 177

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E8	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.04	%	ASTM D 570
Density	1460	kg/m ³	ASTM D 792

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Pellets, Black, Semifinished product

Additives

Lubricants

Special Characteristics

Steam sterilization

Features

Tribologic Grade

Chemical Resistance

General Chemical Resistance

Regional Availability

North America, Europe, Asia Pacific