

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	16900 / 13000	MPa	ISO 527
^[C] Stress at break	237 / 183	MPa	ISO 527
^[C] Strain at break	2 / 4	%	ISO 527
Flexural modulus, 23°C	13600 / 11000	MPa	ISO 178
Flexural strength	371 / 269	MPa	ISO 178
^[C] Charpy impact strength, +23°C	N / 95	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	14 / 21	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 118	-	ISO 2039-2
ASTM Data			
Tensile Strength	235 / 170	MPa	ASTM D 638
Elongation at Break	2.5 / 4	%	ASTM D 638
Flexural Modulus	14500 / 9800	MPa	ASTM D 790
Flexural Strength	390 / 280	MPa	ASTM D 790
Rockwell Hardness	M 95 / M 80	-	ASTM D 785
Taber Abrasion Resistance	22	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	140 / 190	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	255 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Yellow Card available	yes / *	-	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	20	E-6/K	ASTM D 696
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	250	°C	ASTM D 648
Thermal Conductivity, solid state	0.0577	W/(m K)	ASTM C 177

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	21 / -	kV/mm	IEC 60243-1
^[C] Comparative tracking index	525 / -	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	21 / -	kV/mm	ASTM D 149
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	1.3 / *	%	Sim. to ISO 62
^[C] Density	1580 / -	kg/m ³	ISO 1183
Density	1580	kg/m ³	ASTM D 792

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	275 - 295	°C	-

Mold temperature

75 - 85

°C

-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Features

Creep Resistance, Fatigue Resistance

Applications

Automotive

Regional AvailabilityNorth America, Europe, Asia Pacific, South and Central America,
Near East/Africa