

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3600 / 1600	MPa	ISO 527
^[C] Yield stress	* / 55	MPa	ISO 527
^[C] Yield strain	* / 22	%	ISO 527
^[C] Stress at break	80 / *	MPa	ISO 527
^[C] Strain at break	15 / *	%	ISO 527
Flexural modulus, 23°C	3600 / 1500	MPa	ISO 178
Flexural strength	124 / 54.1	MPa	ISO 178
^[C] Charpy impact strength, +23°C	58 / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 6	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Strength	83 / 58	MPa	ASTM D 638
Elongation at Break	7 / 70	%	ASTM D 638
Flexural Modulus	3300 / 1300	MPa	ASTM D 790
Flexural Strength	128 / 56	MPa	ASTM D 790
Rockwell Hardness	M 85 / M 55	-	ASTM D 785
Taber Abrasion Resistance	7	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	29 / 98	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	78 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	239 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Yellow Card available	yes / *	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	3	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 66 psi	240	°C	ASTM D 648
DTUL @ 264 psi	80	°C	ASTM D 648
Limiting Oxygen Index	36	%	ASTM D 2863

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
^[C] Electric strength	22 / -	kV/mm	IEC 60243-1
^[C] Comparative tracking index	600 / -	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	22 / -	kV/mm	ASTM D 149
Volume Resistivity	1E14 / -	Ohm*cm	ASTM D 257

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	2.3 / *	%	Sim. to ISO 62
^[C] Density	1160 / -	kg/m ³	ISO 1183
Density	1160	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	265 - 275	°C	-
Mold temperature	75 - 85	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

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