

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	7500 / 5700	MPa	ISO 527
^[C] Stress at break	131 / 100	MPa	ISO 527
^[C] Strain at break	2.5 / 3.5	%	ISO 527
Flexural modulus, 23°C	7500 / 4700	MPa	ISO 178
Flexural strength	188 / 146	MPa	ISO 178
^[C] Charpy impact strength, +23°C	44 / 45	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6 / 5	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 95	-	ISO 2039-2
ASTM Data			
Tensile Strength	132 / 108	MPa	ASTM D 638
Elongation at Break	2.5 / 2.7	%	ASTM D 638
Flexural Modulus	6400 / 4900	MPa	ASTM D 790
Flexural Strength	191 / 152	MPa	ASTM D 790
Rockwell Hardness	M 95 / M 55	-	ASTM D 785
Taber Abrasion Resistance	24	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	49 / 59	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	240 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	256 / *	°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	30	E-6/K	ASTM D 696
DTUL @ 66 psi	255	°C	ASTM D 648
DTUL @ 264 psi	248	°C	ASTM D 648
Limiting Oxygen Index	38	%	ASTM D 2863

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
^[C] Electric strength	27 / -	kV/mm	IEC 60243-1
^[C] Comparative tracking index	200 / -	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	27 / -	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	1.2 / *	%	Sim. to ISO 62
^[C] Density	1480 / -	kg/m ³	ISO 1183
Density	1480	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	270 - 290	°C	-
Mold temperature	75 - 85	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

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