

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	5900 / 3400	MPa	ISO 527
^[C] Stress at break	93 / 58	MPa	ISO 527
^[C] Strain at break	5.5 / 19	%	ISO 527
Flexural modulus, 23°C	5800 / 3100	MPa	ISO 178
Flexural strength	150 / 84	MPa	ISO 178
^[C] Charpy impact strength, +23°C	62 / 125	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	3 / 3	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Strength	98 / 67	MPa	ASTM D 638
Elongation at Break	6 / 7	%	ASTM D 638
Flexural Modulus	5600 / 3300	MPa	ASTM D 790
Flexural Strength	157 / 98	MPa	ASTM D 790
Rockwell Hardness	M 85 / M 60	-	ASTM D 785
Izod Impact notched, 1/8 in	34 / 39	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	118 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	229 / *	°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	60	E-6/K	ASTM D 696
DTUL @ 66 psi	240	°C	ASTM D 648
DTUL @ 264 psi	160	°C	ASTM D 648

[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
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	1.5 / *	%	Sim. to ISO 62
^[C] Density	1520 / -	kg/m ³	ISO 1183
Density	1520	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

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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