

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3000 / 1100	MPa	ISO 527
^[C] Yield stress	84 / 50	MPa	ISO 527
^[C] Yield strain	4.5 / 27	%	ISO 527
Flexural modulus, 23°C	2800 / 900	MPa	ISO 178
Flexural strength	115 / 39	MPa	ISO 178
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	7 / 28	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Strength	80 / 59	MPa	ASTM D 638
Elongation at Break	100 / 300	%	ASTM D 638
Flexural Modulus	2800 / 1200	MPa	ASTM D 790
Flexural Strength	118 / 54	MPa	ASTM D 790
Rockwell Hardness	M 80 / M 55	-	ASTM D 785
Taber Abrasion Resistance	4	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	49 / 245	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	70 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	80	E-6/K	ASTM D 696
DTUL @ 66 psi	230	°C	ASTM D 648
DTUL @ 264 psi	70	°C	ASTM D 648
Thermal Conductivity, solid state	0.0288	W/(m K)	ASTM C 177
Specific Heat	1670	J/(kg K)	ASTM C 351
Limiting Oxygen Index	23	%	ASTM D 2863

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	20 / -	kV/mm	IEC 60243-1
ASTM Data			
Dielectric Strength, Short Time	20 / -	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	2.5 / *	%	Sim. to ISO 62
^[C] Density	1140 / -	kg/m ³	ISO 1183
Density	1140	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, Film Extrusion, Sheet Extrusion

Delivery form

Pellets

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