

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2900 / 1000	MPa	ISO 527
^[C] Yield stress	84 / 51	MPa	ISO 527
^[C] Yield strain	4.5 / 26	%	ISO 527
Flexural modulus, 23°C	2700 / 900	MPa	ISO 178
Flexural strength	110 / 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	5 / 30	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Strength	79 / 57	MPa	ASTM D 638
Elongation at Break	80 / 270	%	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	5	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	49 / 180	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	65 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	195 / *	°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

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
^[C] Comparative tracking index	525 / -	-	IEC 60112
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, Sheet Extrusion

Delivery form

Pellets, Black, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

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