

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2900 / 1000	MPa	ISO 527
Yield stress	84 / 51	MPa	ISO 527
Yield strain	4.5 / 26	%	ISO 527
Strain at break	- / 100	%	ISO 527
Flexural modulus, 23°C	2700 / 900	MPa	ISO 178
Flexural strength	110 / 39	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
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
Thermal properties			
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			
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Electric strength	20 / -	kV/mm	IEC 60243-1
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
Other properties			
dry / cond			
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1140 / -	kg/m ³	ISO 1183
Density	1140	kg/m ³	ASTM D 792

Characteristics

Processing

Injection Molding, Sheet Extrusion

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa