

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	8200 / 5900	MPa	ISO 527
Yield stress	- / 116	MPa	ISO 527
Yield strain	- / 5.5	%	ISO 527
Stress at break	190 / 112	MPa	ISO 527
Strain at break	4 / 9	%	ISO 527
Flexural modulus, 23°C	7800 / 5000	MPa	ISO 178
Charpy impact strength, +23°C	68 / 92	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 14	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Strength	180 / 110	MPa	ASTM D 638
Elongation at Break	3 / 6	%	ASTM D 638
Flexural Modulus	8100 / 4700	MPa	ASTM D 790
Flexural Strength	290 / 175	MPa	ASTM D 790
Rockwell Hardness	M 96 / M 74	-	ASTM D 785
Taber Abrasion Resistance	12	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	105 / 160	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	245 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	30.1	E-6/K	ASTM D 696
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	250	°C	ASTM D 648
Thermal Conductivity, solid state	0.0432	W/(m K)	ASTM C 177
Electrical properties			
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Electric strength	29 / -	kV/mm	IEC 60243-1
Comparative tracking index	425 / -	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	29 / -	kV/mm	ASTM D 149
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257
Other properties			
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1320 / -	kg/m ³	ISO 1183
Density	1320	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance, Fatigue Resistance

Applications

Automotive

Regional Availability

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