

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3000 / 1200	MPa	ISO 527
Yield stress	82 / 52	MPa	ISO 527
Yield strain	4 / 24	%	ISO 527
Strain at break	- / >50	%	ISO 527
Flexural modulus, 23°C	2700 / 1100	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6 / 15	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	50 / 250	%	ASTM D 638
Flexural Modulus	8200 / 1200	MPa	ASTM D 790
Flexural Strength	118 / 54	MPa	ASTM D 790
Rockwell Hardness	M 80 /	-	ASTM D 785
Taber Abrasion Resistance	7	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	39 / 147	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	70 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	190 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.6	mm	-
Coefficient of Thermal Expansion, MD	79.9	E-6/K	ASTM D 696
DTUL @ 66 psi	230	°C	ASTM D 648
DTUL @ 264 psi	70	°C	ASTM D 648
Limiting Oxygen Index	26	%	ASTM D 2863
Electrical properties			
ISO Data			
Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
Electric strength	20 / -	kV/mm	IEC 60243-1
Comparative tracking index	575 / -	-	IEC 60112
Other properties			
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1140 / -	kg/m ³	ISO 1183
Density	1140	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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

Applications

Automotive

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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

Features

Color Stability