

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	7400 / 5200	MPa	ISO 527
Yield stress	- / 82	MPa	ISO 527
Yield strain	- / 3.5	%	ISO 527
Stress at break	125 / 78	MPa	ISO 527
Strain at break	3 / 6	%	ISO 527
Flexural modulus, 23°C	6800 / 4900	MPa	ISO 178
Charpy impact strength, +23°C	39 / 56	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3 / 3	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Strength	127 / 98	MPa	ASTM D 638
Elongation at Break	3 / 3.5	%	ASTM D 638
Flexural Modulus	6500 / 5600	MPa	ASTM D 790
Flexural Strength	206 / 166	MPa	ASTM D 790
Rockwell Hardness	M 89 /	-	ASTM D 785
Izod Impact notched, 1/8 in	30 / 35	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	183 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	30.1	E-6/K	ASTM D 696
DTUL @ 264 psi	220	°C	ASTM D 648
Other properties			
Humidity absorption	1.3 / *	%	Sim. to ISO 62
Density	1460 / -	kg/m ³	ISO 1183
Density	1460	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	85 - 95	°C	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Features

Low Warpage

Regional Availability

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