

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2400 / 1100	MPa	ISO 527
^[C] Yield stress	* / 46	MPa	ISO 527
^[C] Yield strain	* / 22	%	ISO 527
^[C] Stress at break	64 / *	MPa	ISO 527
^[C] Strain at break	15 / *	%	ISO 527
Flexural modulus, 23°C	2200 / 100	MPa	ISO 178
Flexural strength	88 / 38	MPa	ISO 178
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15 / N	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 114	-	ISO 2039-2
ASTM Data			
Tensile Strength	70 / 47	MPa	ASTM D 638
Elongation at Break	20 / 220	%	ASTM D 638
Flexural Modulus	2500 / 1400	MPa	ASTM D 790
Flexural Strength	98 / 49	MPa	ASTM D 790
Rockwell Hardness	R 114 / R 98	-	ASTM D 785
Taber Abrasion Resistance	7	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	167 / 1200	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	66 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	209 / *	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 66 psi	225	°C	ASTM D 648
DTUL @ 264 psi	77	°C	ASTM D 648

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	1.9 / *	%	Sim. to ISO 62
^[C] Density	1110 / -	kg/m ³	ISO 1183
Density	1110	kg/m ³	ASTM D 792

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Wire/Cable Extrusion

Applications

Automotive

Delivery form

Pellets

Regional Availability

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

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat