

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10600 / 7000	MPa	ISO 527
Stress at break	115 / 75	MPa	ISO 527
Strain at break	2.3 / 5	%	ISO 527
Flexural modulus, 23°C	10500 / 7000	MPa	ISO 178
Flexural strength	195 / -	MPa	ISO 178
Charpy impact strength, +23°C	45 / 50	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	40 / 40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	10 / 10	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	40 / 45	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	10 / 10	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	10 / 10 -30	kJ/m ² °C	ISO 180/1A -

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	218 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80 / *	E-6/K	ISO 11359-1/-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.8 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1470 / -	kg/m ³	ISO 1183

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	270	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 6	h	-
Processing humidity	≤0.07	%	-
Melt temperature	250 - 280	°C	-
Mold temperature	70 - 90	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Features

Thermal Stability

Regional Availability

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