

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.0 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3200 / 1000	MPa	ISO 527
Yield stress	100 / 50	MPa	ISO 527
Strain at break	40 / >50	%	ISO 527
Flexural modulus, 23°C	3000 / 900	MPa	ISO 178
Charpy notched impact strength, +23°C	5 / 20	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N / N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	5 / 20	kJ/m ²	ISO 180/1A
Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	295 / *	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	75 / *	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	190 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	280 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	85 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.0 / *	mm	-
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / 1E7	Ohm*m	IEC 62631-3-1
Other properties	dry / cond	Unit	Test Standard
Density	1180 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 20	h	-
Processing humidity	≤0.1	%	-
Melt temperature	300 - 320	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat