

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	9800 / 6500	MPa	ISO 527
Yield stress	185 / 110	MPa	ISO 527
Yield strain	3 / 5.5	%	ISO 527
Stress at break	170 / 120	MPa	ISO 527
Strain at break	3 / 6.5	%	ISO 527
Charpy impact strength, +23°C	85 / 90	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	70 / 70	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12 / 20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	9 / 9	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	135 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	215 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	20 / *	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	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	- / 3.8	-	IEC 62631-2-1
Volume resistivity	- / 1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Electric strength	- / 40	kV/mm	IEC 60243-1
Comparative tracking index	- / 575	-	IEC 60112
Other properties			
Water absorption	7 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183
Material specific properties			
ISO Data			
Viscosity number	150 / *	cm ³ /g	ISO 307, 1157, 1628

Characteristics

Regional Availability

Europe