

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	135 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	6000 / 3400	MPa	ISO 527
Tensile Strength	150 / 80	MPa	ISO 527
Strain at break	3 / 7	%	ISO 527
Flexural modulus, 23°C	5700 / 2800	MPa	ISO 178
Flexural strength	180 / 90	MPa	ISO 178
Charpy impact strength, +23°C	50 / 90	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	43 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5 / 12	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5 / -	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	190 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Electrical properties			
ISO Data			
Comparative tracking index	500 / -	-	IEC 60112
Other Standards^[5]			
Relative permittivity, 1MHz	3.6 / 6.9	-	IEC 60250
Dissipation factor, 1MHz	250 / 2200	E-4	IEC 60250
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 60093
Surface resistivity	* / 1E10	Ohm	IEC 60093
S: These properties are reported by the producer according standards that are different to our defaults.			
Other properties			
ISO Data			
Water absorption	8 / *	%	Sim. to ISO 62
Humidity absorption	2.6 / *	%	Sim. to ISO 62
Density	1220 / -	kg/m ³	ISO 1183
Material specific properties			
ISO Data			
Viscosity number	100 / *	cm ³ /g	ISO 307, 1157, 1628
Processing Recommendation Injection Molding			
ISO Data			
Pre-drying - Temperature	<80	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	230 - 260	°C	-
Mold temperature	40 - 80	°C	-

Characteristics

Processing

Injection Molding

Applications

Automotive, Electrical and Electronical

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe

Certifications

Food contact