

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	20	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	7100	MPa	ISO 527
Stress at break	120	MPa	ISO 527
Strain at break	3.4	%	ISO 527
Flexural modulus, 23°C	7000	MPa	ISO 178
Flexural strength	195	MPa	ISO 178
Charpy impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6.9	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	6.7	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 180/1U

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	205	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220	°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	110	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	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Oxygen index	20	%	ISO 4589-1/-2
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 100Hz	3.8	-	IEC 62631-2-1
Relative permittivity, 1MHz	3.6	-	IEC 62631-2-1
Dissipation factor, 100Hz	15	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	200	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	30	kV/mm	IEC 60243-1
Comparative tracking index	325	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1460	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.02	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	80 - 100	°C	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

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