

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	18	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2250	MPa	ISO 527
Yield stress	53	MPa	ISO 527
Yield strain	4.7	%	ISO 527
Nominal strain at break	100	%	ISO 527
Stress at break	53	MPa	ISO 527
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	50	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	55	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	45	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
Puncture - maximum force, +23°C	4300	N	ISO 6603-2
Puncture - maximum force, -30°C	5200	N	ISO 6603-2
Puncture energy, +23°C	48	J	ISO 6603-2
Puncture energy, -30°C	53	J	ISO 6603-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	103	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	125	°C	ISO 75-1/-2
Vicat softening temperature, B	122	°C	ISO 306
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70	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	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 100Hz	2.9	-	IEC 62631-2-1
Relative permittivity, 1MHz	3	-	IEC 62631-2-1
Dissipation factor, 100Hz	25	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	90	E-4	IEC 62631-2-1
Volume resistivity	1E16	Ohm*m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2
Electric strength	40	kV/mm	IEC 60243-1
Comparative tracking index	200	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1130	kg/m <sup>3</sup>	ISO 1183

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

Injection Molding, injection velocity **240** mm/s ISO 294

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>95 - 110</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.01</b>	%	-
Melt temperature	<b>270 - 290</b>	°C	-
Mold temperature	<b>70 - 90</b>	°C	-

## Characteristics

### Processing

Injection Molding

### Features

Low Emission, Low Odor

### Chemical Resistance

General Chemical Resistance

### Applications

General Purpose

### Regional Availability

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