

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	2.7 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	280 / *	°C	-
Load	3.8 / *	kg	-
Melt flow index, MFI	2.3	g/10min	ISO 1133
Temperature	280	°C	-
Load	3.8	kg	-
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	12000 / 11000	MPa	ISO 527
Stress at break	162 / 136	MPa	ISO 527
Strain at break	2 / 2.4	%	ISO 527
Flexural modulus, 23°C	11600 / 10900	MPa	ISO 178
Flexural strength	258 / 219	MPa	ISO 178
Charpy impact strength, +23°C	66 / 55	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	12 / 13	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	217 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	235 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 1MHz	- / 4	-	IEC 62631-2-1
Dissipation factor, 1MHz	- / 150	E-4	IEC 62631-2-1
Volume resistivity	1E14 / 1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 3E14	Ohm	IEC 62631-3-2
Electric strength	27 / 28	kV/mm	IEC 60243-1
Comparative tracking index	600 / 600	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	1.2 / *	%	Sim. to ISO 62
Density	1470 / -	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3	h	-
Mold temperature	120 - 140	°C	-
Zone 1	265	°C	-
Zone 2	270	°C	-
Zone 3	275	°C	-
Nozzle temperature	275	°C	-
Screw speed	60 - 150	rpm	-
Injection pressure	20 - 150	MPa	-

## Characteristics

**Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Applications**

Automotive, Electrical and Electronical, General Purpose

**Regional Availability**

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