

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	6	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	2600	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Yield strain	6	%	ISO 527
Nominal strain at break	90	%	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	109	%	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
Izod notched impact strength, +23°C	65	kJ/m <sup>2</sup>	ISO 180/1A
Puncture - maximum force, +23°C	5100	N	ISO 6603-2
Puncture - maximum force, -30°C	6000	N	ISO 6603-2
Puncture energy, +23°C	51	J	ISO 6603-2
Puncture energy, -30°C	56	J	ISO 6603-2
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	121	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	137	°C	ISO 75-1/-2
Vicat softening temperature, B	142	°C	ISO 306
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	3.0	mm	-
Glow Wire Flammability Index (GWFI)	850	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.8	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	3	mm	-
Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.8	mm	-
Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (2)	3	mm	-
<b>Optical properties</b>			
<b>ISO Data</b>			
Luminous transmittance	0.01	%	ISO 13468-1, -2
<b>Other properties</b>			
Density	1340	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	300	°C	-
Mold temperature	70 - 110	°C	-
Injection speed	0.05 - 0.2	mm/s	-

**Characteristics**

**Processing**

Injection Molding, Other Extrusion

**Features**

Light Diffusing

**Regional Availability**

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