

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.8 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	8200 / 5000	MPa	ISO 527
Stress at break	150 / 100	MPa	ISO 527
Strain at break	3.8 / 10	%	ISO 527
Flexural modulus, 23°C	7200 / 4200	MPa	ISO 178
Flexural strength	240 / 140	MPa	ISO 178
Charpy impact strength, +23°C	80 / 90	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	65 / 65	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	10 / 10	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	70 / 70	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10 / 15	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	10 / 10 -30	kJ/m <sup>2</sup> °C	ISO 180/1A -
Puncture - maximum force, +23°C	862 / -	N	ISO 6603-2
Puncture - maximum force, -30°C	747 / -	N	ISO 6603-2
Puncture energy, +23°C	2.6 / -	J	ISO 6603-2
Puncture energy, -30°C	2.1 / -	J	ISO 6603-2
Ball indentation hardness	190 / 90	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	261 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	236 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	250 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	240 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	30 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	100 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB / * 1.5 / *	class mm	IEC 60695-11-10 -
Glow Wire Flammability Index (GWFI)	600	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Relative permittivity, 100Hz	4.2 / -	-	IEC 62631-2-1
Relative permittivity, 1MHz	3.8 / -	-	IEC 62631-2-1
Dissipation factor, 100Hz	100 / -	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	180 / -	E-4	IEC 62631-2-1
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Electric strength	32 / -	kV/mm	IEC 60243-1
Comparative tracking index	425 / -	-	IEC 60112
<b>Other properties</b>			
Water absorption	6.6 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1310 / -	kg/m <sup>3</sup>	ISO 1183
Bulk density	700	kg/m <sup>3</sup>	-
<b>Test specimen production</b>			
<b>ISO Data</b>			
Injection Molding, melt temperature	290	°C	ISO 294

Injection Molding, mold temperature	<b>80</b>	°C	ISO 294
-------------------------------------	-----------	----	---------

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 6</b>	h	-
Processing humidity	<b>≤0.12</b>	%	-
Melt temperature	<b>280 - 300</b>	°C	-
Mold temperature	<b>80 - 120</b>	°C	-

## Characteristics

### Processing

Other Extrusion, Blow Molding

### Chemical Resistance

Hydrolytically Stable

### Special Characteristics

Heat stabilized or stable to heat

### Regional Availability

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