

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6.5	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	67	MPa	ISO 527
Yield strain	6.2	%	ISO 527
Stress at break	65	MPa	ISO 527
Strain at break	100	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Tensile creep modulus, 1h	2200	MPa	ISO 899-1
Tensile creep modulus, 1000h	1900	MPa	ISO 899-1
Charpy notched impact strength, +23°C	70	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	14	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	80	kJ/m ²	ISO 180/1A
Izod notched impact strength	12	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	126	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	137	°C	ISO 75-1/-2
Vicat softening temperature, B	144	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	850	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	3	mm	-
Electrical properties			
ISO Data			
Electric strength	34	kV/mm	IEC 60243-1
Other Standards^[5]			
Relative permittivity, 100Hz	3.1	-	IEC 60250
Relative permittivity, 1MHz	3	-	IEC 60250
Volume resistivity	1E14	Ohm*m	IEC 60093
Surface resistivity	1E16	Ohm	IEC 60093
S: These properties are reported by the producer according standards that are different to our defaults.			
Optical properties			
ISO Data			
Haze	0.8	-	ISO 14782
Luminous transmittance	89	%	ISO 13468-1, -2
Other properties			
Humidity absorption	0.12	%	Sim. to ISO 62
Density	1200	kg/m ³	ISO 1183
Processing Recommendation Extrusion			
Pre-drying - Temperature	120	°C	-

Pre-drying - Time	4	h	-
Melt temperature	260 - 300	°C	-
Mold temperature	60 - 100	°C	-

Characteristics**Processing**

Profile Extrusion, Sheet Extrusion

Regional Availability

North America, Europe, South and Central America

Special Characteristics

U.V. stabilized or stable to weather