

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Other Standards^[5]			
Molding shrinkage, parallel	0.6	%	Producer Method
Molding shrinkage, normal	0.6	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	65	MPa	ISO 527
Nominal strain at break	90	%	ISO 527
Stress at break	65	MPa	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	80	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	130	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	65	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.4	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	30	kV/mm	IEC 60243-1
ASTM Data			
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	90	s	ASTM D 495
Other Standards^[5]			
Relative permittivity, 1MHz	2.85	-	IEC 60250
Dissipation factor, 1MHz	92	E-4	IEC 60250
Comparative tracking index	325	-	UL 746A

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Optical properties	Value	Unit	Test Standard
ISO Data			
Luminous transmittance	87 ^[1]	%	ISO 13468-1, -2

1: 3 mm

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	5 - 8	h	-
Melt temperature	260 - 300	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Transparent

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific