

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12	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			
Yield stress	65	MPa	ISO 527
Nominal strain at break	95	%	ISO 527
Flexural modulus, 23°C	2300	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	125	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	140	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	65	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	30	kV/mm	IEC 60243-1
ASTM Data			
Arc Resistance	90	s	ASTM D 495
Other Standards^[5]			
Relative permittivity, 1MHz	2.85	-	IEC 60250

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

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

Flame retardant, Halogen-free, Phosphorus-free, U.V. stabilized or stable to weather

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific