

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	80	g/10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8900	MPa	ISO 527
Stress at break	170	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	8200	MPa	ISO 178
Flexural strength	245	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	90	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	11	kJ/m ²	ISO 180/1A
Rockwell hardness	R 120	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	238	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	55	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	240	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1370	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.1	%	-
Melt temperature	265 - 290	°C	-
Mold temperature	70 - 100	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Features

Weldable, Copolymer