

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Tensile Modulus	2470	MPa	ISO 527
Yield stress	66	MPa	ISO 527
Yield strain	6	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Stress at break	66	MPa	ISO 527
Strain at break	119	%	ISO 527
Flexural modulus, 23°C	2450	MPa	ISO 178
Flexural strength	99	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
Puncture - maximum force, +23°C	5200	N	ISO 6603-2
Puncture energy, +23°C	58	J	ISO 6603-2
Ball indentation hardness	128	MPa	ISO 2039-1
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Temp. of deflection under load, 1.80 MPa	112	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	125	°C	ISO 75-1/-2
Vicat softening temperature, B	130	°C	ISO 306
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	71	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	3	mm	-
Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.5	mm	-
Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (2)	3	mm	-
Electrical properties			
Value	Unit	Test Standard	
ISO Data			
Volume resistivity	4E17	Ohm*m	IEC 62631-3-1
Surface resistivity	5E16	Ohm	IEC 62631-3-2
Electric strength	31	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
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	4	h	-
Melt temperature	280 - 310	°C	-

Characteristics

Processing

Injection Molding

Applications

Automotive, Electrical and Electronical, Packaging

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa