

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	22	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Tensile Modulus	2370	MPa	ISO 527
Yield stress	62	MPa	ISO 527
Yield strain	5	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Stress at break	62	MPa	ISO 527
Strain at break	118	%	ISO 527
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	50	kJ/m ²	ISO 180/1A
Izod notched impact strength	19	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Thermal properties			
ISO Data	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	101	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	114	°C	ISO 75-1/-2
Vicat softening temperature, B	118	°C	ISO 306
Coeff. of linear therm. expansion, parallel	76	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	78	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)	775	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.5	mm	-
Glow Wire Ignition Temperature (GWIT)	775	°C	IEC 60695-2-13
GWIT - thickness tested (2)	3	mm	-
Electrical properties			
ISO Data	Value	Unit	Test Standard
Volume resistivity	4E16	Ohm*m	IEC 62631-3-1
Surface resistivity	5E18	Ohm	IEC 62631-3-2
Electric strength	36	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
Other properties			
Value	Unit	Test Standard	
Density	1180	kg/m ³	ISO 1183
Test specimen production			
ISO Data	Value	Unit	Test Standard
Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	80	°C	-

Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	220 - 230	°C	-
Zone 2	225 - 235	°C	-
Zone 3	230 - 240	°C	-
Nozzle temperature	255 - 265	°C	-
Back pressure	5 - 15	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical, Packaging

Special Characteristics

Flame retardant, High impact or impact modified

Regional Availability

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