

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	4	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	2400	MPa	ISO 527
Yield stress	64	MPa	ISO 527
Yield strain	6	%	ISO 527
Nominal strain at break	50	%	ISO 527
Stress at break	30	MPa	ISO 527
Flexural modulus, 23°C	2210	MPa	ISO 178
Flexural strength	98	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
Glow Wire Flammability Index (GWFI)	930	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	3	mm	-
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (2)	3	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1	mm	-
Electrical properties			
Value	Unit	Test Standard	
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Optical properties			
Value	Unit	Test Standard	
ASTM Data			
Light Transmittance	47	%	ASTM D 1003
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	270 - 320	°C	-

Mold temperature

80 - 120

°C

-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, White

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather

Features

Light Diffusing

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa