

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	9	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6500	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Yield strain	3	%	ISO 527
Nominal strain at break	3	%	ISO 527
Stress at break	50	MPa	ISO 527
Flexural modulus, 23°C	6500	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Charpy impact strength, +23°C	70	kJ/m ²	ISO 179/1eU
Puncture - maximum force, +23°C	2900	N	ISO 6603-2
Puncture energy, +23°C	15	J	ISO 6603-2
Ball indentation hardness	123	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	145	°C	ISO 306
Coeff. of linear therm. expansion, parallel	35	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	54	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
Glow Wire Flammability Index (GWFI)	875	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.5	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E16	Ohm*m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2
Electric strength	40	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1450	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	300	°C	-
Mold temperature	90	°C	-

Characteristics

Processing

Injection Molding

Delivery form

White

Applications

Electrical and Electronical

Regional Availability

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

Special Characteristics

Thermally Conductive