

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	11	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2350	MPa	ISO 527
Yield stress	67	MPa	ISO 527
Yield strain	6	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Stress at break	67	MPa	ISO 527
Strain at break	110	%	ISO 527
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Izod notched impact strength, +23°C	15 <sup>(1)</sup>	kJ/m <sup>2</sup>	ISO 180/1A
Puncture - maximum force, +23°C	5200	N	ISO 6603-2
Puncture - maximum force, -30°C	6100	N	ISO 6603-2
Puncture energy, +23°C	50	J	ISO 6603-2
Puncture energy, -30°C	50	J	ISO 6603-2

1: 3 mm

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	122	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	136	°C	ISO 75-1/-2
Vicat softening temperature, B	141	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-
Glow Wire Flammability Index (GWFI)	960	°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	-
<b>Other Standards<sup>(S)</sup></b>			
Burning behav. 5V at thickness h	5VA	class	Producer Method
Thickness tested	3.0	mm	-

S: These properties are reported by the producer according standards that are different to our defaults.

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 100Hz	3	-	IEC 62631-2-1
Relative permittivity, 1MHz	3	-	IEC 62631-2-1
Dissipation factor, 100Hz	7	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	96	E-4	IEC 62631-2-1
Volume resistivity	9E16	Ohm*m	IEC 62631-3-1
Surface resistivity	2E16	Ohm	IEC 62631-3-2
Comparative tracking index	225	-	IEC 60112

Other properties	Value	Unit	Test Standard
Recycled resin content	30	%	-

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			

Injection Molding, melt temperature	<b>300</b>	°C	ISO 294
Injection Molding, mold temperature	<b>80</b>	°C	ISO 294
Injection Molding, injection velocity	<b>200</b>	mm/s	ISO 294

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>2 - 3</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>280 - 320</b>	°C	-
Mold temperature	<b>80 - 120</b>	°C	-
Zone 1	<b>250 - 260</b>	°C	-
Zone 2	<b>270 - 280</b>	°C	-
Zone 3	<b>280 - 290</b>	°C	-
Nozzle temperature	<b>290 - 300</b>	°C	-
Back pressure	<b>5 - 15</b>	MPa	-

## Characteristics

### Processing

Injection Molding

### Delivery form

Black

### Additives

Release agent

### Special Characteristics

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

### Certifications

Recycled Resin Content, Post-Consumer Recyclate

### Applications

Electrical and Electronical

### Regional Availability

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