

## Product Texts

- MVR (300 °C/1.2 kg) 5.0 cm³/10 min
- 20 % glass fiber reinforced
- flame retardant
- UL 94V-0/1.5 mm and 5VA/3.0 mm
- high viscosity
- easy release

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	5	cm³/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	5800	MPa	ISO 527
Yield stress	86	MPa	ISO 527
Yield strain	2.6	%	ISO 527
Flexural modulus, 23°C	5570	MPa	ISO 178
Flexural strength	167	MPa	ISO 178
<sup>[C]</sup> Charpy impact strength, +23°C	50	kJ/m²	ISO 179/1eU
<sup>[C]</sup> Type of failure	C	-	-
Izod notched impact strength, +23°C	8	kJ/m²	ISO 180/1A
<sup>[C]</sup> Puncture - maximum force, +23°C	900	N	ISO 6603-2
<sup>[C]</sup> Puncture - maximum force, -30°C	900	N	ISO 6603-2
<sup>[C]</sup> Puncture energy, +23°C	5	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	5	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	144	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	146	°C	ISO 306
<sup>[C]</sup> 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-2	class	IEC 60695-11-10
Thickness tested	0.5	mm	-
Yellow Card available	yes	-	-
<sup>[C]</sup> Burning Behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Yellow Card available	yes	-	-
<sup>[C]</sup> Oxygen index	39	%	ISO 4589-1/-2
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.75	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	1.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	3	mm	-
Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.75	mm	-
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (2)	1.5	mm	-
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	>1E15	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	39	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	200	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1350	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	300	°C	ISO 294
Injection Molding, mold temperature	110	°C	ISO 294
Injection Molding, injection velocity	200	mm/s	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	280 - 320	°C	-
Mold temperature	100	°C	-

## Characteristics

### Processing

Injection Molding

### Additives

Release agent

### Special Characteristics

Flame retardant, Opaque

### Regional Availability

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