

**Product Texts**

- MVR (300 °C/1.2 kg) 5.0 cm<sup>3</sup>/10 min
- structural foam
- 5 % glass fiber reinforced
- flame retardant
- high viscosity
- easy release
- in combination with an appropriate blowing agent for the production of structural foam moldings

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	5	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	3000	MPa	ISO 527
<sup>[C]</sup> Stress at break	50	MPa	ISO 527
<sup>[C]</sup> Strain at break	40	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	220	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	160	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Puncture - maximum force, +23°C	4400	N	ISO 6603-2
<sup>[C]</sup> Puncture - maximum force, -30°C	4900	N	ISO 6603-2
<sup>[C]</sup> Puncture energy, +23°C	30	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	25	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	132	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	141	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	144	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	55	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	6.0	mm	-
<sup>[C]</sup> Oxygen index	36	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Comparative tracking index	175	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.3	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	0.1	%	Sim. to ISO 62

[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	-
Processing humidity	≤0.02	%	-
Melt temperature	≤300	°C	-
Mold temperature	≤110	°C	-

## Characteristics

### Processing

Injection Molding

### Delivery form

Pellets

### Additives

Release agent

### Special Characteristics

Flame retardant

### Regional Availability

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

## Other text information

### Injection molding

#### PREPROCESSING

Max. Water content: 0.01 - 0.02 %

Drying temperature: 120 °C

Drying time:

Circulating air drying oven (50 % fresh air) 4-8 h

Fresh air dryer (high speed dryer) 2-4 h

Dry air dryer 2-3 h

#### PROCESSING

Melt temperature: 300 °C

Mold temperature: 110 °C

Use open nozzle.