

## Product Texts

- MVR (300 °C/1.2 kg) 6.0 cm<sup>3</sup>/10 min
- Extrusion
- flame retardant
- UL 94V-2/1.5 mm and 3.0 mm
- high viscosity
- UV stabilized
- optimized for low plate-out
- solid sheet

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	6	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	0.8	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2400	MPa	ISO 527
<sup>[C]</sup> Yield stress	65	MPa	ISO 527
<sup>[C]</sup> Yield strain	6.2	%	ISO 527
<sup>[C]</sup> Nominal strain at break	>50	%	ISO 527
<sup>[C]</sup> Tensile creep modulus, 1h	2200	MPa	ISO 899-1
<sup>[C]</sup> Tensile creep modulus, 1000h	1900	MPa	ISO 899-1
<sup>[C]</sup> Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Puncture - maximum force, +23°C	5600	N	ISO 6603-2
<sup>[C]</sup> Puncture - maximum force, -30°C	6500	N	ISO 6603-2
<sup>[C]</sup> Puncture energy, +23°C	60	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	70	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Glass transition temperature, 10°C/min	148	°C	ISO 11357-1/-2
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	127	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	140	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	147	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	65	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	65	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<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	31	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	3.1	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	3	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	8	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	95	E-4	IEC 62631-2-1
<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	34	kV/mm	IEC 60243-1

[C] Comparative tracking index	<b>225</b>	-	IEC 60112
[C]: CAMPUS			

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
[C] Luminous transmittance	<b>89</b>	%	ISO 13468-1, -2
[C]: CAMPUS			

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
[C] Water absorption	<b>0.3</b>	%	Sim. to ISO 62
[C] Humidity absorption	<b>0.12</b>	%	Sim. to ISO 62
[C] Density	<b>1200</b>	kg/m <sup>3</sup>	ISO 1183
[C]: CAMPUS			

<b>Test specimen production</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
[C] 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
[C]: CAMPUS			

**Characteristics**

**Processing**

Profile Extrusion, Sheet Extrusion, Other Extrusion

**Delivery form**

Pellets

**Special Characteristics**

Flame retardant, Light stabilized or stable to light, U.V. stabilized or stable to weather, Transparent

**Regional Availability**

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