

## Product Texts

- MVR (300 °C/1.2 kg) 34 cm³/10 min
- low viscosity
- easy release
- Automotive interior
- developed for coated high-gloss surfaces

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	34	cm³/10min	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	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2350	MPa	ISO 527
<sup>[C]</sup> Yield stress	63	MPa	ISO 527
<sup>[C]</sup> Yield strain	6	%	ISO 527
<sup>[C]</sup> Nominal strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2350	MPa	ISO 178
Flexural strength	97	MPa	ISO 178
<sup>[C]</sup> Charpy impact strength, +23°C	N	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C, 3mm	60	kJ/m²	ISO 179/1eA
Type of failure	P(C)	-	-
Charpy notched impact strength, -30°C, 3mm	12	kJ/m²	ISO 179/1eA
Type of failure	C	-	-
Izod notched impact strength, +23°C	55	kJ/m²	ISO 180/1A
Izod notched impact strength	12	kJ/m²	ISO 180/1A
Temperature	-30	°C	-
Puncture - maximum force, +23°C	4900	N	ISO 6603-2
Puncture - maximum force, -30°C	5900	N	ISO 6603-2
Puncture energy, +23°C	55	J	ISO 6603-2
Puncture energy, -30°C	60	J	ISO 6603-2
Ball indentation hardness	115	MPa	ISO 2039-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Glass transition temperature, 10°C/min	145	°C	ISO 11357-1/-2
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	138	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	145	°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
Oxygen index	28	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 100Hz	3.1	-	IEC 62631-2-1
Dissipation factor, 100Hz	5	E-4	IEC 62631-2-1
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2
Electric strength	34	kV/mm	IEC 60243-1
Comparative tracking index	250	-	IEC 60112

Optical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Haze	0.5	-	ISO 14782
Luminous transmittance	90	%	ISO 13468-1, -2

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.12	%	Sim. to ISO 62
<sup>[C]</sup> Density	1190	kg/m <sup>3</sup>	ISO 1183
Bulk density	660	kg/m <sup>3</sup>	-

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°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	280 - 320	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	250 - 260	°C	-
Zone 2	270 - 280	°C	-
Zone 3	280 - 290	°C	-
Nozzle temperature	290 - 300	°C	-
Back pressure	5 - 15	MPa	-

## Characteristics

### Processing

Injection Molding

### Additives

Release agent

### Special Characteristics

Transparent

### Features

Color Stability, Light Guiding

### Regional Availability

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