

**Product Texts**

Stress Crack Modified

ISO 1043 PC

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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	280	°C	-
Load	1.2	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2100	MPa	ISO 527
<sup>[C]</sup> Yield stress	52	MPa	ISO 527
<sup>[C]</sup> Yield strain	6	%	ISO 527
<sup>[C]</sup> Nominal strain at break	>50	%	ISO 527
<sup>[C]</sup> Puncture energy, +23°C	16	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	11	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	129	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	140	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	65	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Electric strength	18	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.35	%	Sim. to ISO 62
<sup>[C]</sup> Density	1180	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	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.03	%	-
Melt temperature	270 - 290	°C	-
Mold temperature	70 - 100	°C	-
Zone 1	255 - 265	°C	-
Zone 2	265 - 275	°C	-
Zone 3	270 - 280	°C	-

Nozzle temperature

**260 - 270**

°C

-

**Characteristics****Processing**

Injection Molding

**Additives**

Release agent

**Delivery form**

Pellets

**Regional Availability**

Europe

**Other text information****Injection molding**[Injection Molding Recommendations](#)