

**Product Texts**

Vicat 130°C, UV Stabilized

ISO 1043 (PC+ABS)...

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Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	17	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
<sup>[C]</sup> Density of melt	1030	kg/m <sup>3</sup>	-
<sup>[C]</sup> Thermal conductivity of melt	0.23	W/(m K)	-
<sup>[C]</sup> Spec. heat capacity of melt	2280	J/(kg K)	-
<sup>[C]</sup> Eff. thermal diffusivity	1E-7	m <sup>2</sup> /s	-
<sup>[C]</sup> Ejection temperature	120	°C	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2300	MPa	ISO 527
<sup>[C]</sup> Yield stress	55	MPa	ISO 527
<sup>[C]</sup> Yield strain	5	%	ISO 527
<sup>[C]</sup> Nominal strain at break	>50	%	ISO 527
<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> Charpy notched impact strength, +23°C	40	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	20	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	130	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	70	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 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
<sup>[C]</sup> Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-
<sup>[C]</sup> Oxygen index	23	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 1MHz	2.9	-	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	35	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	275	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.5	%	Sim. to ISO 62

**XANTAR™ C CM 506 U**

(PC+ABS)...

Mitsubishi Engineering-Plastics Corporation

[C] Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
[C] Density	<b>1140</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
[C] Injection Molding, melt temperature	<b>280</b>	°C	ISO 294
Injection Molding, mold temperature	<b>80</b>	°C	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>100</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.03</b>	%	-
Melt temperature	<b>240 - 270</b>	°C	-
Mold temperature	<b>50 - 80</b>	°C	-
Zone 1	<b>230 - 250</b>	°C	-
Zone 2	<b>235 - 255</b>	°C	-
Zone 3	<b>240 - 260</b>	°C	-
Nozzle temperature	<b>230 - 250</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Release agent

**Special Characteristics**

Light stabilized or stable to light, U.V. stabilized or stable to weather

**Regional Availability**

Europe

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