XANTAR™ C CM 546

(PC+ABS)-GF20... Mitsubishi Engineering-Plastics Corporation

Product Texts

20% Glass Reinforced

ISO 1043 (PC+ABS)-GF20...

XANTAR Polycarbonate & Blends, your global partner for innovative added value

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**10**	cm³/10min	ISO 1133
Temperature	**260**	°C	-
Load	**5**	kg	-
[C] Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.3**	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**6000**	MPa	ISO 527

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**115**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**131**	°C	ISO 306
[C] Coeff. of linear therm. expansion, parallel	**40**	E-6/K	ISO 11359-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
[C] Oxygen index	**23**	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Relative permittivity, 1MHz	**3**	-	IEC 62631-2-1
[C] Volume resistivity	**>1E13**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	**>1E15**	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Humidity absorption	**0.2**	%	Sim. to ISO 62
[C] Density	**1290**	kg/m³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
[C] Injection Molding, melt temperature	**270**	°C	ISO 294
Injection Molding, mold temperature	**70**	°C	ISO 294

[C]: CAMPUS

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

Zone 3	**240 - 260**	°C	-
Nozzle temperature	**230 - 250**	°C	-

Characteristics

Processing
Injection Molding

Additives
Release agent

Delivery form
Pellets

Regional Availability
Europe

Other text information

Injection molding
Injection Molding Recommendations