

XANTAR® C CM 526

Polycarbonate + ABS

Mitsubishi Engineering-Plastics Corp

Message:

10% Glass Reinforced

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	16.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Transverse flow	0.40	%	ISO 294-4
Flow	0.30	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3800	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	50.0	MPa	ISO 527-2
Fracture	45.0	MPa	ISO 527-2
Flexural Modulus	3500	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/4A
-20°C	14	kJ/m ²	ISO 180/4A
23°C	25	kJ/m ²	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	115	°C	ISO 75-2/A
Vicat Softening Temperature	131	°C	ISO 306/B50
CLTE - Flow	5.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Relative Permittivity (1 MHz)	3.00		IEC 60250
Comparative Tracking Index (CTI)	PLC 2		UL 746
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (1.5 mm)	HB		IEC 60695-11-10, -20
Glow Wire Flammability Index (3.0 mm)	750	°C	IEC 60695-2-12
Oxygen Index	23	%	ISO 4589-2

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Recommended distributors for this material

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