

XANTAR® C CF 407

Polycarbonate + ABS
Mitsubishi Engineering-Plastics Corp

Message:
Flame Retardant, Vicat 120°C

General Information			
UL YellowCard	E340159-100746621		
Additive	Flame Retardant		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	23.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.50	%	ISO 294-4
Water Absorption (Saturation, 23°C)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.0	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	%	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Notched Izod Impact Strength (23°C)	50	kJ/m ²	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Vicat Softening Temperature	120	°C	ISO 306/B50
RTI Elec			UL 746
1.50 mm	95.0	°C	
3.00 mm	95.0	°C	
RTI Imp			UL 746
1.50 mm	90.0	°C	
3.00 mm	95.0	°C	
RTI Str			UL 746

1.50 mm	90.0	°C	
3.00 mm	95.0	°C	
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	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	960	°C	
3.00 mm	960	°C	
	750		

Glow Wire Ignition Temperature (1.50 mm)	750	°C	IEC 60695-2-13
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Oxygen Index	32	%	ISO 4589-2
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Fill Analysis	Nominal Value	Unit	
Thermal Conductivity of Melt	0.23	W/m/K	

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