

XANTAR® SF 22 (Foamed)

Polycarbonate
Mitsubishi Engineering-Plastics Corp

Message:
Structural Foam

General Information			
UL YellowCard	E340159-100746675		
Additive	Flame Retardant		
Features	Flame Retardant		
	Foamable		
Uses	Structural Foam		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density			ISO 1183
-- ¹	0.950	g/cm ³	
--	1.22	g/cm ³	
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	5.00	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.35	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress (Yield)	37.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	127	°C	ISO 75-2/A
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
CLTE - Flow	1.5E-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			IEC 60250
100 Hz	3.30		
1 MHz	3.30		
Dissipation Factor			IEC 60250

100 Hz	8.0E-4		
1 MHz	9.0E-3		
Comparative Tracking Index (CTI)	PLC 4		UL 746
Comparative Tracking Index	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
	V-0		
4.80 mm	5VA		
6.00 mm	V-0		
Oxygen Index	35	%	ISO 4589-2
NOTE			
1.	Foamed		

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