

TARFLON™ #2200

Polycarbonate
Formosa Idemitsu Petrochemical Corporation

Message:
FCFC PC resin #2200 meets the requirements of FDA, UL and the certificates of environmental protection.

General Information			
Features	Good Dimensional Stability		
	Good Electrical Properties		
	High Clarity		
	High Impact Resistance		
	Medium Viscosity		
Uses	Bottles		
	Containers		
	Electrical Parts		
	Kitchenware		
	Medical/Healthcare Applications		
UL File Number	238753		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	12.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (Saturation, 23°C)	0.23	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ISO 2039-2
M-Scale	50		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	65.0	MPa	
Break	65.0	MPa	
Tensile Strain (Break)	95	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Unnotched Izod Impact Strength (23°C)	80	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+18	ohms·cm	IEC 60093
Electric Strength (1.00 mm)	30	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
100 Hz	2.91		
1 MHz	2.85		
Dissipation Factor			IEC 60250
100 Hz	6.6E-4		
1 MHz	9.2E-3		
Arc Resistance	110	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
3.00 mm	HB		
6.00 mm	HB		
0.360 mm	V-2		
1.50 mm	V-2		
2.90 mm	V-2		
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.585		ASTM D542
Transmittance	85.0 to 89.0	%	ASTM D1003

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