

TYNEC® CFV50

Polycarbonate
Tyne Plastics LLC.

Message:
Data was measured on natural colored test specimens.

General Information			
Features	Foamable		
Uses	Foam		
	Structural Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption			ASTM D570
24 hr	0.14	%	
Saturation	0.33	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Break)	44.8	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	132	°C	
1.8 MPa, Unannealed	127	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (3.18 mm, in Air)	16	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.70		ASTM D150
Dissipation Factor (1 MHz)	0.020		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.59 mm	V-2		
3.18 mm	V-0		

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Recommended distributors for this material

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