

STAR-THERM® E GN FR TS0

Polycarbonate

EPIC Polymers

Message:

STAR-THERM® E GN FR TS0 is a Polycarbonate (PC) product. It is available in Europe.

Characteristics include:

Flame Rated

Conductive

General Information			
Features	Electrically Conductive		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.60	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.12	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2900	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	20	%	ISO 527-2
Flexural Modulus (23°C)	2700	MPa	ISO 178
Flexural Stress (23°C)	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	130	°C	ISO 75-2/A
CLTE - Flow (23°C)	7.0E-5	cm/cm/°C	ISO 7991
Thermal Conductivity	0.30	W/m/K	ISO 22007
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-1		
1.20 mm	V-0		
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	260 to 290	°C	
Cylinder Zone 2 Temp.	270 to 300	°C	

Cylinder Zone 3 Temp.	275 to 300	°C
Cylinder Zone 4 Temp.	275 to 300	°C

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