CELCON® FG2010F

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CELCON® FG2010F is a 10% glass fiber reinforced grade for general injection molding.
Features high strength, high stiffness, high deflection temperature, and excellent creep resistance.
Suitable for applications requiring FDA certificate

Product information

Resin Identification	POM-GF10	ISO 1043
Part Marking Code	>POM-GF10<	ISO 11469

Rheological properties

Melt mass-flow rate	9	g/10min	ISO 1133
Melt mass-flow rate, Temperature	374	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile stress at break, 5mm/min	14500	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.5	%	ISO 527-1/-2
Flexural modulus	653000	psi	ISO 178
Flexural strength	20300	psi	ISO 178
Charpy notched impact strength, 23°C	2.85	ftlb/in^2	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	329	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	311	°F	ISO 75-1/-2

Electrical properties

Volume resistivity	1E12	Ohm.m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2

Physical/Other properties

Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Density	0.0531	lb/in^3	ISO 1183

Characteristics

Processing	Injection Molding

Revised: 2026-04-22 Source: Celanese Materials Database

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