CELCON® FG3010

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CELCON® FG3010 is a low viscosity and 10% glass fiber-reinforced grade for general injection molding.

Product information

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

Rheological properties

Melt mass-flow rate	17	g/10min	ISO 1133
Melt mass-flow rate, Temperature	374	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage, parallel	0	%	ISO 294-4, 2577

Typical mechanical properties

Tensile stress at break, 5mm/min	15200	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5	%	ISO 527-1/-2
Flexural modulus	718000	psi	ISO 178
Flexural strength	22500	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

Electrical properties

Volume resistivity	1E14	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

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