CELCON® FB2030

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CELCON® FB2030 is a 30% glass bead-filled grade for general injection molding. Suitable for parts requiring low warpage, reduced sink marks, and dimensional stability

Product information

Resin Identification	POM-GB30	ISO 1043
Part Marking Code	>POM-GB30<	ISO 11469

Rheological properties

Melt mass-flow rate	19	g/10min	ISO 1133
Melt mass-flow rate, Temperature	374	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage, parallel	1.4	%	ISO 294-4, 2577

Typical mechanical properties

Tensile stress at break, 50mm/min	8700	psi	ISO 527-1/-2
Nominal strain at break	4	%	ISO 527-1/-2
Flexural modulus	587000	psi	ISO 178
Flexural strength	14100	psi	ISO 178
Charpy notched impact strength, 23°C	2.62	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	243	°F	ISO 75-1/-2

Physical/Other properties

Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Density	0.0592	lb/in^3	ISO 1183

Characteristics

Processing	Injection Molding
Special characteristics	Low Warpage

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