



CELCON® CE66FC GV1/25

CELCON®

Celcon® CE66FC GV1/25 is a 25% glass fiber coupled acetal copolymer grade. It offers higher strength than the standard Celcon® CE66FC.

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Resin Identification Part Marking Code	POM-GF25 >POM-GF25<		ISO 1043 ISO 11469
Rheological properties			
Moulding shrinkage, parallel Moulding shrinkage, normal	0.4 0.8		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties			
Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Flexural modulus Flexural strength Charpy impact strength, 23°C Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Izod notched impact strength, 23°C Poisson's ratio [C]: Calculated	2.5 8350 200 45 9 7	MPa % MPa MPa kJ/m ² kJ/m ² kJ/m ²	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 179/1eU ISO 179/1eA ISO 179/1eA ISO 180/1A
Thermal properties			
Melting temperature, 10 ° C/min Temperature of deflection under load, 1.8 MPa Coefficient of linear thermal expansion (CLTE), parallel Coefficient of linear thermal expansion (CLTE), normal			ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2
Physical/Other properties			
Humidity absorption, 2mm Water absorption, 2mm Density	0.2 0.8 1580		Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed Mold Temperature Optimum Min. mould temperature	no 100 3 - 4 ≤0.2 190 180 200 ≤0.3 105	h % °C °C °C m/s	

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Max. mould temperature120 °CHold pressure range60 - 120 MPaBack pressure2 MPa

Characteristics

Processing Injection Moulding, Extrusion, Other Extrusion

Delivery form Pellets

Additional information

Processing Notes Pre-Drying

Drying is not normally required. If material has come in contact with moisture through improper storage or handling or through regrind use, drying may be necessary to prevent splay and odor problems.

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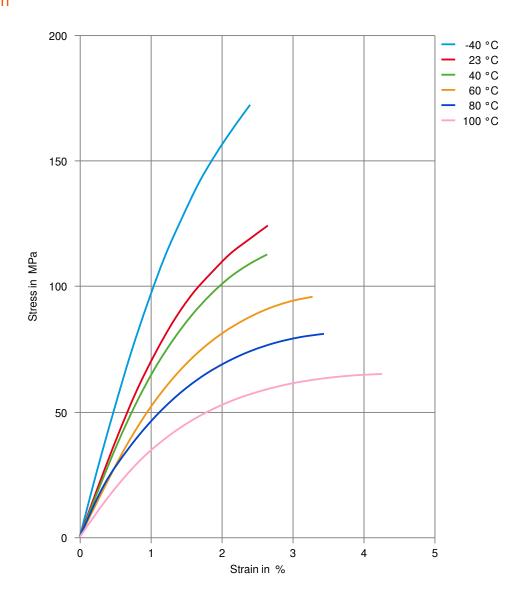




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Stress-strain



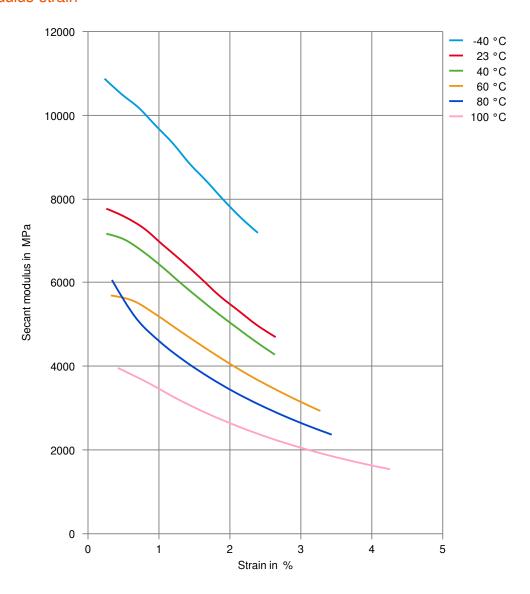
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Secant modulus-strain



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