

# CELCON® GC20

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#### **Product information**

Part Marking Code POM	ISO 11469
Typical mechanical properties	
Tensile Modulus 7300	MPa ISO 527-1/-2
Stress at break, 5mm/min 99	MPa ISO 527-1/-2
Strain at break, 5mm/min 2.2	% ISO 527-1/-2
Flexural Modulus 7000	MPa ISO 178
Flexural Strength 130	MPa ISO 178
Charpy impact strength, 23°C 30	kJ/m <sup>2</sup> ISO 179/1eU
Charpy impact strength, -30 °C 40	kJ/m <sup>2</sup> ISO 179/1eU
1,7	kJ/m <sup>2</sup> ISO 179/1eA
Izod notched impact strength, 23°C 5.2	kJ/m <sup>2</sup> ISO 180/1A
Thermal properties	
Melting temperature, 10 °C/min 165	°C ISO 11357-1/-3
	°C ISO 75-1/-2
·	E-6/K ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	E-6/K ISO 11359-1/-2
Other properties	
Humidity absorption, 2mm 0.2	% Sim. to ISO 62
·	% Sim. to ISO 62
·	kg/m <sup>3</sup> ISO 1183

### Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3-4 h
Max. mould temperature	90 - 120 °C
Back pressure	2 MPa
Injection speed	slow

#### **Processing Texts**

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.

Printed: 2023-08-07 Page: 1 of 2

Revised: 2023-05-26 Source: Celanese Materials Database



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#### Other Approvals

Other Approvals

OEM	Specification
Ford	WSB-M4D883-A1

Printed: 2023-08-07 Page: 2 of 2

Revised: 2023-05-26 Source: Celanese Materials Database

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