



CELCON® F20-03 Colored

CELCON®

CELCON® F20-03 Colored is a medium-viscosity grade for general injection molding (colored). A general grade for injection molding applications.

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Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
Rheological properties			
Melt mass-flow rate Melt mass-flow rate, Temperature Melt mass-flow rate, Load	10 190 2.16	-	ISO 1133
Typical mechanical properties			
Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Nominal strain at break Flexural modulus Flexural strength Charpy notched impact strength, 23°C	8.5 32 2600 87	%	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eA
Thermal properties	405		100 11057 1/0
Melting temperature, 10 ° C/min Flammability Burning Behav. at thickness h Thickness tested		class mm	ISO 11357-1/-3 IEC 60695-11-10 IEC 60695-11-10
Physical/Other properties			
Humidity absorption, 2mm Density	0.2 1410	% kg/m³	Sim. to ISO 62 ISO 1183

Injection

Drying Recommended	no
Drying Temperature	100 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Processing Moisture Content	≤0.2 %
Melt Temperature Optimum	195 °C
Min. melt temperature	180 °C
Max. melt temperature	210 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	70 °C
Min. mould temperature	60 °C
Max. mould temperature	80 °C
Hold pressure range	60 - 120 MPa

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Revised: 2025-01-23 Source: Celanese Materials Database





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Characteristics

Processing Injection Moulding

Delivery form Pellets

Automotive

OEM STANDARD ADDITIONAL INFORMATION

Hyundai MS237-09 Type A Ulsan, Korea

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