



## CELCON® F20-03HC

## **CELCON®**

CELCON® F20-03HC is a medium-viscosity grade for general injection molding. Suitable for injection molding application. Features greater mechanical strength compared to general POM copolymer.

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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 Moulding shrinkage, parallel	9 190 2.16 2.0	kg	ISO 1133
		,,	.55 25 : ., 25 :
Typical mechanical properties			
Tensile modulus 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 Charpy notched impact strength, -30°C Poisson's ratio [C]: Calculated	10 32 2800 95 6.5	MPa % %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 179/1eA ISO 179/1eA
Thermal properties			
Melting temperature, 10 ° C/min Temperature of deflection under load, 1.8 MPa Coefficient of linear thermal expansion (CLTE), parallel Flammability	170 100 120		ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2
Burning Behav. at thickness h Thickness tested		class mm	IEC 60695-11-10 IEC 60695-11-10
Electrical properties			
Volume resistivity Surface resistivity Electric strength	1E16	Ohm.m Ohm kV/mm	IEC 62631-3-1 IEC 62631-3-2 IEC 60243-1
Physical/Other properties			
Humidity absorption, 2mm Density	0.2 1410	% kg/m³	Sim. to ISO 62 ISO 1183

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





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## Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics Heat stabilised or stable to heat

**Automotive** 

OEM STANDARD ADDITIONAL INFORMATION

Hyundai MS237-09 Type A Ulsan, Korea

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

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