

# CELCON<sup>®</sup> F10-52H

## **CELCON®**

- A UV-stabilized high-viscosity grade for general injection molding.

- Developed for applications in automotive interiors and exposed part

Product information			
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	4 190 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	10 35 2500 83	%	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 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 Electrical properties		°C °C E-6/K	ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2
Volume resistivity	1E12	Ohm.m	IEC 62631-3-1
Surface resistivity	1E16		IEC 62631-3-2
Physical/Other properties			
Humidity absorption, 2mm Density	0.2 1400	% kg/m³	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 Max. mould temperature	60 80	h % °C °C °C m/s °C °C °C	
Hold pressure range	60 - 120		

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### Characteristics

Processing Delivery form Special characteristics Injection Moulding, Extrusion Pellets U.V. stabilised or stable to weather

#### Automotive

OEM Hyundai STANDARD MS237-14 Type A ADDITIONAL INFORMATION Ulsan, Korea

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

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Page: 2 of 2