



CELCON® F25-03H

CELCON®

- A stiffness-improved(medium-viscosity) grade for general injection molding.
- It has a high stiffness compared to general POM copolymer

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Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469
Rheological properties			
Melt mass-flow rate	13	g/10min	ISO 1133
Melt mass-flow rate, Temperature	190		
Melt mass-flow rate, Load	2.16	kg	
Typical mechanical properties			
Tensile modulus	2850	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	68	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10		ISO 527-1/-2
Nominal strain at break	31		ISO 527-1/-2
Flexural modulus Flexural strength	2800	MPa	ISO 178 ISO 178
Charpy notched impact strength, 23°C		kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C		kJ/m²	ISO 179/1eA
Poisson's ratio	0.37 ^[C]		
[C]: Calculated			
Thermal properties			
Melting temperature, 10 ° C/min	170	°C	ISO 11357-1/-3
Electrical properties			
Volume resistivity	1E12	Ohm.m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2
Physical/Other properties			
Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Density	1410	kg/m³	ISO 1183
Injection			
Drying Recommended	no		
Drying Temperature	100	°C	
Drying Time, Dehumidified Dryer	3 - 4		
Processing Moisture Content	≤0.2		
Melt Temperature Optimum Min. melt temperature	195 180		
Max. melt temperature	210		
Screw tangential speed	≤0.3		
Mold Temperature Optimum		°C	
Min. mould temperature	60	°C	

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





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Max. mould temperature 80 °C Hold pressure range 60 - 120 MPa

Characteristics

Processing Injection Moulding

Delivery form Pellets

Automotive

OEM STANDARD ADDITIONAL INFORMATION

General Motors GMW22P-POM-C3 Natural General Motors GMW22P-POM-C3 Black

Stellantis B62 0300 / 61/207E/206M+/H506E/H706 01994_13_00033

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