CELCON® F20-52G LOF

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CELCON® F20-52G LOF is a UV-stabilized (medium-viscosity) and low emission grade for general injection molding. - Modified with a weather-resistant and gloss-reducing substance. Suitable for applications requiring strong weather resistance and low gloss characteristics

Product information

Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469

Rheological properties

Melt mass-flow rate	10	g/10min	ISO 1133
Melt mass-flow rate, Temperature	374	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage, parallel	2.1	%	ISO 294-4, 2577

Typical mechanical properties

Tensile stress at yield, 50mm/min	8400	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	11	%	ISO 527-1/-2
Nominal strain at break	30	%	ISO 527-1/-2
Flexural modulus	341000	psi	ISO 178
Flexural strength	11300	psi	ISO 178
Charpy notched impact strength, 23°C	2.85	ftlb/in^2	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	329	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	190	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.72	E-4/°F	ISO 11359-1/-2

Physical/Other properties

Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Density	0.0502	lb/in^3	ISO 1183

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
General Motors	GMW16924P-POM-C2	Natural

Characteristics

Processing	Injection Molding
Special characteristics	U.V. stabilized or stable to weather, Reduced gloss, Low emissions

Revised: 2026-04-22 Source: Celanese Materials Database

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