



CELCON® TX-11H LOF

CELCON®

- A friction and wear-resistance (medium-high viscosity) grade for general injection molding.
- Suitable for uses requiring reduced wear noise and a good friction and wear resistance without sacrificing mechanical properties.
- A low emission grade featuring improved heat stability.

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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	5 190 2.16		ISO 1133
Moulding shrinkage, parallel	2.0	· ·	ISO 294-4, 2577
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 40 2550 86 9.5	MPa % %	ISO 527-1/-2 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 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 1400	% kg/m³	Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended	no		

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100 °C

3-4 h

≤0.2 %

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

Drying Temperature

Drying Time, Dehumidified Dryer

Processing Moisture Content

(+) 18816996168 Ponciplastics.com



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Melt Temperature Optimum	185	°C
Min. melt temperature	180	°C
Max. melt temperature	190	°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

Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics Low wear / Low friction, Low emissions

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