



# CELCON® TE-33A LOF NAT

## **CELCON®**

CELCON® TE-33A LOF NAT is an impact-modified, medium-high viscosity grade for general injection molding with low emission.

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

#### Rheological properties

Melt mass-flow rate	25	g/10min	ISO 1133
Melt mass-flow rate, Temperature	190	°C	
Melt mass-flow rate, Load	2.16	kg	
Moulding shrinkage, parallel	0	%	ISO 294-4, 2577

#### Typical mechanical properties

Tensile stress at yield, 50mm/min	42	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8	%	ISO 527-1/-2
Nominal strain at break	30	%	ISO 527-1/-2
Flexural modulus	1700	MPa	ISO 178
Flexural strength	56	MPa	ISO 178
Charpy notched impact strength, 23°C	10	kJ/m²	ISO 179/1eA

## Flammability

Burning Behav, at thickness h	HB class	IEC 60695-11-10

#### **Electrical properties**

Volume resistivity	1E12 Ohm.m	IEC 62631-3-1
Surface resistivity	1E16 Ohm	IEC 62631-3-2

#### Physical/Other properties

Density	1360 kg/m <sup>3</sup>	ISO 1183

#### Injection

Drying Recommended	no	
Drying Temperature	100	°C
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.2	%
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

Printed: 2025-05-30 Page: 1 of 2

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





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#### Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics High Flow, Low emissions

**Automotive** 

OEM ADDITIONAL INFORMATION

Renault UB15-S31, Pyeongtaek, Korea, Clamps,

Plugs, and Plastic Clips, No Spec, Special Part Approval, See Your CE Account Manager.

Printed: 2025-05-30 Page: 2 of 2

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