CELCON® TE-33A LOF NAT

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

Product information

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

Rheological properties

Melt mass-flow rate	25	g/10min	ISO 1133
Melt mass-flow rate, Temperature	374	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage, parallel	1.7	%	ISO 294-4, 2577
Molding shrinkage, normal	1.7	%	ISO 294-4, 2577

Typical mechanical properties

Tensile stress at yield, 50mm/min	6100	psi	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	247000	psi	ISO 178
Flexural strength	8120	psi	ISO 178
Charpy notched impact strength, 23 °C	4.76	ftlb/in²	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	0.0491	lb/in³	ISO 1183

Injection

Drying Recommended	no	
Drying Temperature	212	°F
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.2	%
Melt Temperature Optimum	365	°F
Min. melt temperature	356	°F
Max. melt temperature	374	°F
Max. screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	158	°F
Min. mold temperature	140	°F
Max. mold temperature	176	°F
Hold pressure range	8700 - 17400	psi

Revised: 2025-11-14 Source: Celanese Materials Database

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Hold Pressure Time (h is the max. wall thickness of the part in mm)	$2h^2$-3 s

Automotive

OEM	ADDITIONAL INFORMATION
Renault	UB15-S31, Pyeongtaek, Korea, Clamps, Plugs, and Plastic Clips, No Spec, Special Part Approval, See Your CE Account Manager.

Characteristics

Processing	Injection Molding
Special characteristics	High impact or impact modified, High Flow, Low emissions

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