

CELCON® TX-11HK

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A medium-high viscosity grade for general injection molding. It is suitable for use requiring reduced wear noise and a good friction and wear resistance without sacrificing mechanical properties.

Product information

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

Rheological properties

Melt mass-flow rate	6 g/10min	ISO 1133
Melt mass-flow rate, Temperature	190 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage, parallel	2.0 %	ISO 294-4, 2577

Typical mechanical properties

Tensile stress at yield, 50mm/min	66 MPa	ISO 527-1/-2
Nominal strain at break	43 %	ISO 527-1/-2
Flexural modulus	2550 MPa	ISO 178
Flexural strength	86 MPa	ISO 178
Charpy notched impact strength, 23°C	7.5 kJ/m ²	ISO 179/1eA

Electrical properties

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

Physical/Other properties

Density	1400 kg/m ³	ISO 1183
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Injection

Drying Recommended	no
Drying Temperature	100 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Processing Moisture Content	≤0.2 %
Melt Temperature Optimum	195 °C
Min. melt temperature	180 °C
Max. melt temperature	210 °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

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Automotive

OEM

General Motors

General Motors

STANDARD

GMW22P-POM-C2

GMW22P-POM-C2

ADDITIONAL INFORMATION

Natural

Black