

HOSTAFORM® C 9021 MD

Metal Detectable POM

Hostaform® C 9021 MD is a special modified acetal copolymer based on Hostaform® C 9021 for parts which should be identified by metal detectors. Preliminary Datasheet

Rheological properties

Melt volume-flow rate	8.5 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	2800 MPa	ISO 527-1/-2
Yield stress, 50mm/min	58 MPa	ISO 527-1/-2
Yield strain, 50mm/min	9.5 %	ISO 527-1/-2
Flexural Modulus	2700 MPa	ISO 178
Charpy impact strength, 23°C	95 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	4.5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30 °C	4.4 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	97 °C	ISO 75-1/-2

Electrical properties

Volume resistivity	1E12 Ohm.m	IEC 62631-3-1
Surface resistivity	1E13 Ohm	IEC 62631-3-2

Other properties

Density	1480 kg/m ³	ISO 1183
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Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h

Characteristics

Additives	Release agent
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Additional information

Injection molding	Standard injection moulding machines with three phase (15 to 25 D) plasticating screws will fit.
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Processing Texts

Injection molding	Standard injection moulding machines with three phase (15 to 25 D) plasticating screws will fit.
Injection molding Preprocessing	General drying is not necessary due to low moisture absorption of the resin. In case of bad storage conditions (water contact or condensed water) the use of a recirculating air dryer (100 to 120 °C / max. 40 mm layer / 3 to 6 hours) is recommended. Max. Water content 0,2 %
Injection molding Postprocessing	Conditioning e.g. moisturizing is not necessary.

