

HOSTAFORM® C 9021 XAP3

HOSTAFORM®

POM copolymer Standard injection molding grade with extremely reduced emissions in both VDA275 and Tedlar bag especially for automotive interior application. Emission according to VDA 275 < 1 mg/kg (natural grades). Currently available in natural color only.

Product information

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

Rheological properties

Melt volume-flow rate	8 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile modulus	2700 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	65 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10 %	ISO 527-1/-2
Flexural modulus	2650 MPa	ISO 178
Flexural stress at 3.5%	78 MPa	ISO 178
Charpy notched impact strength, 23 °C	6.5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30 °C	6 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.38 ^[C]	

[C]: Calculated

Thermal properties

Melting temperature, 10 °C/min	166 °C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	101 °C	ISO 75-1/-2

Physical/Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Water absorption, 2mm	0.65 %	Sim. to ISO 62
Density	1410 kg/m ³	ISO 1183

Injection

Drying Temperature	120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Processing Moisture Content	≤0.15 %
Screw tangential speed	≤0.202 m/s
Hold pressure range	60 - 120 MPa
Back pressure	4 MPa

Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	Low emissions

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Page: 2 of 2

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