

# 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 <sup>3</sup> /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 <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	6 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.38 <sup>[C]</sup>	

[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 <sup>3</sup>	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