

HOSTAFORM® S 27244 XAP®2

HOSTAFORM®

Easy flow, high impact modified injection molding grade, with good low temperature impact strength and good weld line strength and reduced emissions. Emission according to VDA 275 < 5 mg/kg

Preliminary data sheet

Product information

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

Rheological properties

Melt volume-flow rate	4.5 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile modulus	1400 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	34 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8.5 %	ISO 527-1/-2
Nominal strain at break	50 %	ISO 527-1/-2
Charpy impact strength, 23°C	N kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	15 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	9 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.43 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	69 °C	ISO 75-1/-2
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Physical/Other properties

Density	1260 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	190 °C
Max. melt temperature	200 °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
Back pressure	2 MPa

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Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Additives	Release agent
Special characteristics	High impact or impact modified, High Flow, Low emissions, Improved weld line

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Mercedes-Benz	DBL5404	BQF