

HOSTAFORM® S 9362 XAP®2

Impact modified, improved modulus and weld line, low emission

Hostaform® acetal copolymer grade S 9362 XAP®2 is an impact modified grade for applications requiring improved impact. Hostaform® S 9362 XAP®2 provides good impact strength while improving modulus and weld line strength over standard impact modified grades such as Hostaform® S 9063, and also exhibits exceptional low emission performance meeting or exceeding the requirements of many automotive markets. Chemical abbreviation according to ISO 1043-1: POM-HI

Rheological properties

Melt volume-flow rate	6.5 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage range, parallel	1.9 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.8 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2300 MPa	ISO 527-1/-2
Yield stress, 50mm/min	55 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Flexural Modulus	2200 MPa	ISO 178
Charpy impact strength, 23°C	NB kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	190 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	10 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	10 kJ/m ²	ISO 180/1A
Izod notched impact strength, -40°C	6 kJ/m ²	ISO 180/1A
Hardness, Rockwell, M-scale	75	ISO 2039-2

Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	87 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	151 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	110 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110 E-6/K	ISO 11359-1/-2

Other properties

Humidity absorption, 2mm	0.25 %	Sim. to ISO 62
Water absorption, 2mm	0.8 %	Sim. to ISO 62
Density	1390 kg/m ³	ISO 1183

Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Max. mould temperature	80 - 120 °C
Back pressure	2 MPa

HOSTAFORM® S 9362 XAP®2

Injection speed

slow

Characteristics

Additives

Release agent

Processing Texts

Pre-drying

Drying is suggested to help achieve low emission performance and to counter if material has contacted moisture through improper storage and handling.

Other Approvals

Other Approvals

OEM	Specification	Additional Information
Mercedes-Benz Group (Daimler)	DBL 5404	BQF
Renault		No spec listed