

HOSTAFORM® S 27242 XAP®2

HOSTAFORM®

Easy flow, 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

Product information

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

Rheological properties

Melt volume-flow rate	17 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile modulus	2100 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	50 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8.5 %	ISO 527-1/-2
Nominal strain at break	40 %	ISO 527-1/-2
Charpy impact strength, 23°C	130 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	7 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.4 ^[C]	

[C]: Calculated

Physical/Other properties

Density	1360 kg/m ³	ISO 1183
---------	------------------------	----------

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

Characteristics

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

HOSTAFORM® S 27242 XAP®2

HOSTAFORM®

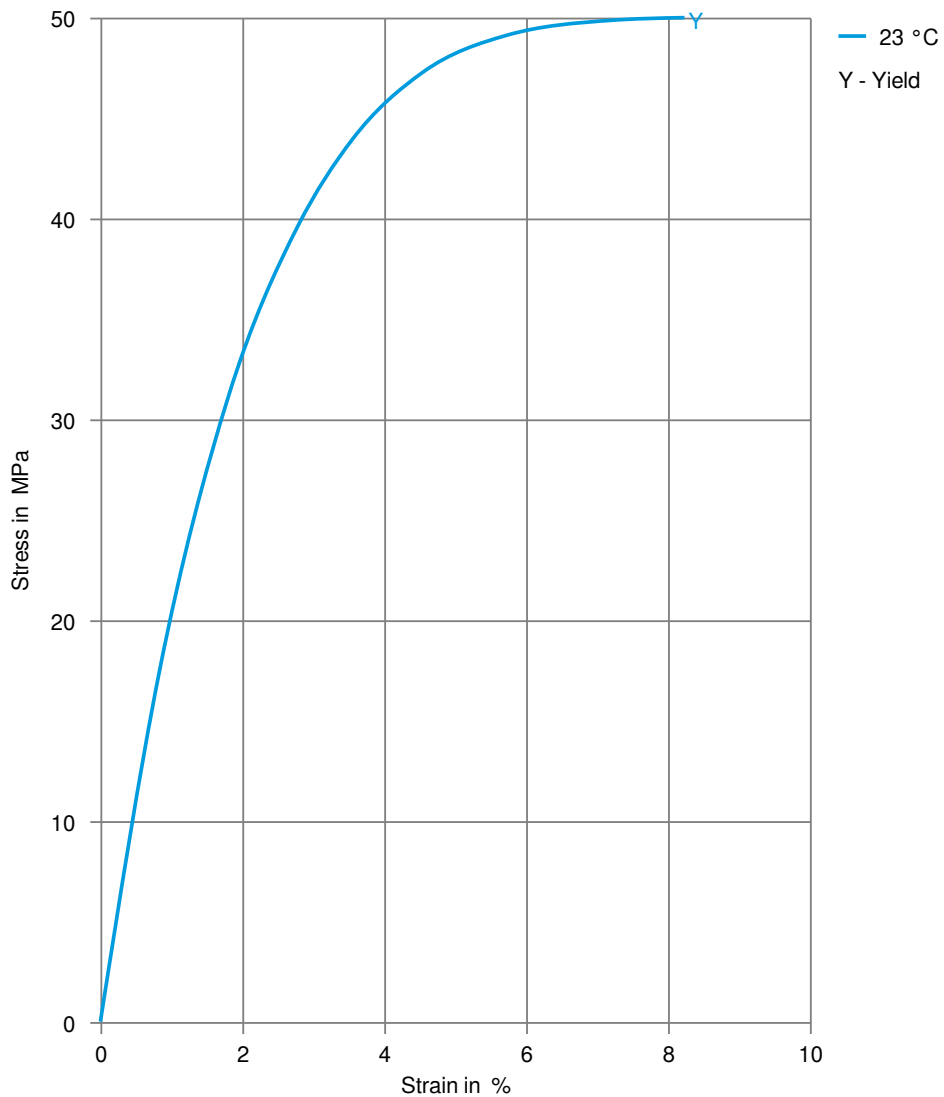
Automotive

OEM
Mercedes-Benz

STANDARD
DBL5404

ADDITIONAL INFORMATION
BQF

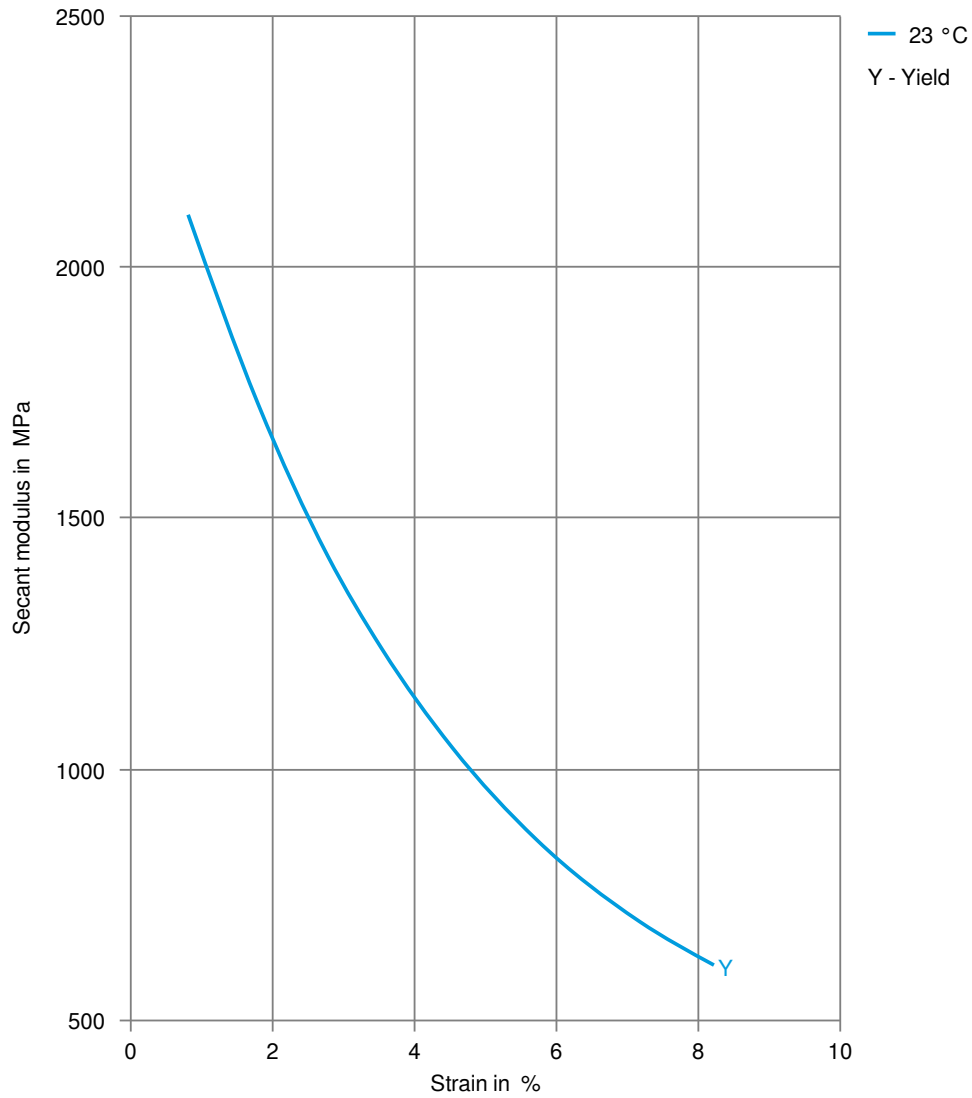
Stress-strain



HOSTAFORM® S 27242 XAP®2

HOSTAFORM®

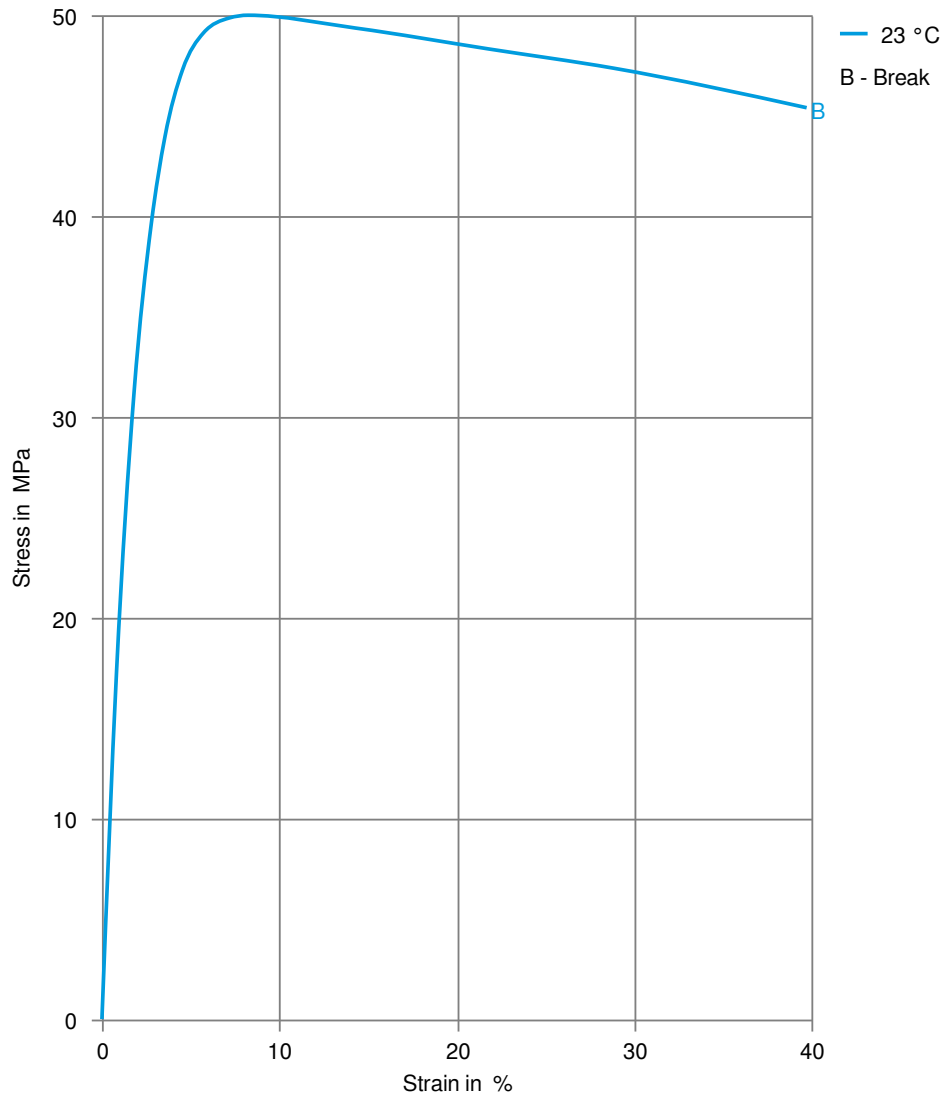
Secant modulus-strain



HOSTAFORM® S 27242 XAP®2

HOSTAFORM®

Stress-strain, 50mm/min



HOSTAFORM® S 27242 XAP®2

HOSTAFORM®

Secant modulus-strain, 50mm/min

