

Impact modified, low emission

POM copolymer, modified Injection molding type, elastomer-containing; with higher impact strength and slightly lower hardness, rigidity and chemical resistance than the basic type HOSTAFORM® C 9021 Reduced emission grade, Emission according to VDA 275 < 5 mg/kg good weld strength. Burning rate according to FMVSS 302 < 100 mm/min (1 mm thickness) Preliminary Datasheet

Rheological properties

Melt volume-flow rate4Temperature190Load2.16Moulding shrinkage, parallel1.9Moulding shrinkage, normal1.8	kg % ISO 294-4, 2577
Yield strain, 50mm/min9Nominal strain at break40Flexural Modulus1850Tensile creep modulus, 1h1700Tensile creep modulus, 1000h950Charpy impact strength, 23°CNBCharpy impact strength, -30°C200 ^[P] Charpy notched impact strength, 23°C15	MPa ISO 527-1/-2 % ISO 527-1/-2 % ISO 527-1/-2 MPa ISO 178 MPa ISO 899-1 MPa ISO 899-1 kJ/m² ISO 179/1eU
Thermal properties	
Melting temperature, 10°C/min166Temp. of deflection under load, 1.8 MPa75Vicat softening temperature, 50°C/h, 50N130Coeff. of linear therm. expansion, parallel120	°C ISO 75-1/-2
Dissipation factor, 1MHz 60	

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Other properties

Humidity absorption, 2mm	0.2 %
Water absorption, 2mm	1 %
Density	1330 kg/m ³

Sim. to ISO 62 Sim. to ISO 62 ISO 1183

Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3-4 h
Processing Moisture Content	0.15 %
Screw tangential speed	0.2 - 0.21 m/s
Max. mould temperature	60 - 80 °C
Back pressure	2 MPa
Injection speed	slow-medium

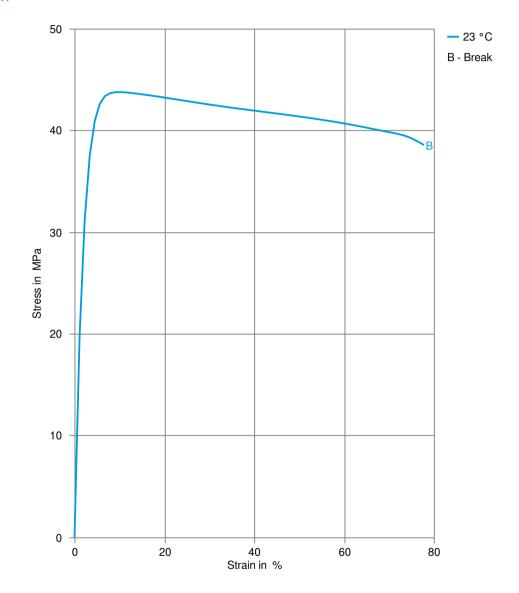
Characteristics

Additives

Release agent

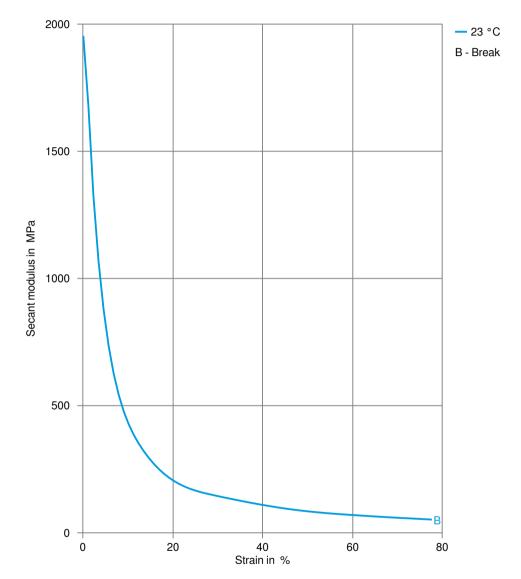


Stress-strain





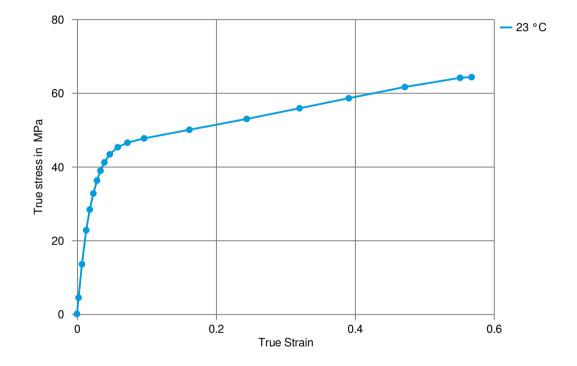
Secant modulus-strain





HOSTAFORM[®] S 9243 XAP[®]2

True stress-strain





HOSTAFORM[®] S 9243 XAP[®]2

Processing Texts				
Pre-drying	It is normally not necessary to dry HOSTAFORM. However, should there be surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required. A circulating air drying cabinet can be used for this purpose if the granul			
Longer pre-drying times/storage	The product can then be stored in standard conditions until processed.			
Other Approvals				
Other Approvals	OEM	Specification	Additional Information	
	BJEV	Q-BJEV 01.59		
	Mercedes-Benz Group (Daimler)	DBL 5404	Black, BQF	
	Mercedes-Benz Group (Daimler)	DBL 5410	Black	
	Renault		No spec listed	

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