

HOSTAFORM® S 9244 XAP®2 LS

Impact Modified, UV-stabilized

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. Preliminary Datasheet for natural and colored grades

Rheological properties

Melt volume-flow rate	1.4 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage, parallel	1.7 %	ISO 294-4, 2577
Moulding shrinkage, normal	1.6 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	1450 MPa	ISO 527-1/-2
Yield stress, 50mm/min	33 MPa	ISO 527-1/-2
Yield strain, 50mm/min	7 %	ISO 527-1/-2
Nominal strain at break	>50 %	ISO 527-1/-2
Flexural Modulus	1450 MPa	ISO 178
Tensile creep modulus, 1h	1200 MPa	ISO 899-1
Tensile creep modulus, 1000h	650 MPa	ISO 899-1
Charpy impact strength, 23°C	NB kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	200 ^[P] kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	18 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	12 kJ/m ²	ISO 179/1eA

[P]: Partial Break

Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	68 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h, 50N	115 °C	ISO 306
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

Electrical properties

Relative permittivity, 100Hz	3.6	IEC 62631-2-1
Relative permittivity, 1MHz	3.6	IEC 62631-2-1
Dissipation factor, 100Hz	40 E-4	IEC 62631-2-1
Dissipation factor, 1MHz	60 E-4	IEC 62631-2-1
Volume resistivity	1E11 Ohm.m	IEC 62631-3-1
Surface resistivity	1E13 Ohm	IEC 62631-3-2
Comparative tracking index	PLC 0 PLC	UL 746A

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Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Water absorption, 2mm	1.2 %	Sim. to ISO 62
Density	1260 kg/m ³	ISO 1183

Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h

Characteristics

Additives	Release agent
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Other Approvals

Other Approvals

OEM	Specification	Additional Information
Mercedes-Benz Group (Daimler)	DBL 5404	BQF