

HOSTAFORM® S 9243 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. Burning rate according to FMVSS 302 < 100 mm/min (1 mm thickness) Preliminary Datasheet for natural and colored grades

Rheological properties

Melt volume-flow rate Temperature Load	4 190 2.16		ISO 1133
Moulding shrinkage, parallel	1.9		ISO 294-4, 2577
Moulding shrinkage, normal	1.8	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile Modulus	1950	MPa	ISO 527-1/-2
Yield stress, 50mm/min	44	MPa	ISO 527-1/-2
Yield strain, 50mm/min	9	%	ISO 527-1/-2
Nominal strain at break	40		ISO 527-1/-2
Flexural Modulus	1850		ISO 178
Tensile creep modulus, 1h	1700		ISO 899-1
Tensile creep modulus, 1000h		MPa	ISO 899-1
Charpy impact strength, 23°C		kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C		kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	9	kJ/m²	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	75	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h, 50N	130		ISO 306
Coeff. of linear therm. expansion, parallel	120	E-6/K	ISO 11359-1/-2
Electrical properties			
Relative permittivity, 100Hz	3.8		IEC 62631-2-1
Relative permittivity, 1MHz	3.8		IEC 62631-2-1
Dissipation factor, 100Hz		E-4	IEC 62631-2-1
Dissipation factor, 1MHz		E-4	IEC 62631-2-1
Volume resistivity		Ohm.m	IEC 62631-3-1
Surface resistivity	1E13		IEC 62631-3-2
Comparative tracking index	PLC 0		UL 746A

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Other properties

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

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
Mercedes-Benz Group (Daimler)	DBL 5404	BQF

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