

Hostaform® S 9244 XAP²™ LS

Acetal (POM) Copolymer

Celanese Corporation

Message:

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

General Information			
Additive	Impact Modifier		
	UV Stabilizer		
Features	Impact Modified		
	Low Emissions		
RoHS Compliance		Contact Manufacturer	
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	1.40	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.6	%	
Flow	1.7	%	
Water Absorption (Saturation, 23°C)	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	7.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 50	%	ISO 527-2/1A/50
Tensile Creep Modulus			ISO 899-1
1 hr	1200	MPa	
1000 hr	650	MPa	
Flexural Modulus (23°C)	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	
23°C	18	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-30°C, Partial Break	200	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	68.0	°C	ISO 75-2/A
Melting Temperature ¹	166	°C	ISO 11357-3
CLTE - Flow	1.3E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms·cm	IEC 60093
Relative Permittivity			IEC 60250
100 Hz	3.60		
1 MHz	3.60		
Dissipation Factor			IEC 60250
100 Hz	4.0E-3		
1 MHz	6.0E-3		
Comparative Tracking Index	600	V	IEC 60112
NOTE			
1.	10°C/min		

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