

Hostaform® S 9244 XAP²™

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

General Information			
UL YellowCard	E38860-100974900		
Additive	Impact Modifier		
Features	High Impact Resistance		
	Impact Modified		
	Low Emissions		
	Weldable		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
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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