Hostaform® C 9021 AS

Acetal (POM) Copolymer

Celanese Corporation

Message:

POM copolymer
Antistatical modified; standard flowing Injection molding type; the antistatical effect improves, when the molding part absorbs enough humidity; good chemical resistance to solvents, fuel and strong alkalis as well as good hydrolysis resistance; high resistance to thermal and oxidative degradation. Hostaform C 9021 AS is suggested for dissipation of minor buildup of static electricity that might occur with standard type grades. However, it is not intended for use in fuel system components where static dissipation is critical to part performance. Please refer to Celanese's ESD (electrostatic dissipative) grades for those applications
Preliminary Datasheet

General Information			
Additive	Antistatic		
Features	Alkali Resistant		
	Antistatic		
	Fuel Resistant		
	Good Chemical Resistance		
	High Heat Resistance		
	Hydrolysis Resistant		
	Solvent Resistant		
RoHS Compliance	Contact Manufacturer		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.41	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.50	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.8	%	
Flow	1.9	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2750	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	10	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	30	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.5	kJ/m²	
23°C	6.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	180	kJ/m²	
23°C	180	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Melting Temperature [1]	166	°C	ISO 11357-3
CLTE - Flow	1.1E-4	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	IEC 60093
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	80.0 to 120	°C	
Screw L/D Ratio	15.0:1.0 to 25.0:1.0		
NOTE			
1.	10°C/min		

Recommended distributors for this material

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