



Hostaform® C 27021 AS

Celanese Corporation - Acetal (POM) Copolymer

Saturday, November 2, 2019

General Information

Product Description

POM copolymer Antistatistical modified; very easy flowing Injection molding type; the antistatistical effect improves, when the molded 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 27021 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

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antistatic		
Features	• Alkali Resistant • Antistatic • Chemical Resistant	• ESD Protection • Fuel Resistant • Good Flow	• Hydrolysis Resistant • Solvent Resistant
RoHS Compliance	• Contact Manufacturer		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	25	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.8	%	
Flow	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	384000	psi	ISO 527-2/1A
Tensile Stress (Yield)	8990	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	20	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	2.1	ft·lb/in ²	
73°F	2.4	ft·lb/in ²	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness ²	21300	psi	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ³	331	°F	ISO 11357-3
CLTE - Flow	6.1E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F

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Injection	Nominal Value	Unit
Drying Time	3.0 to 4.0	hr

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² 30s
- ³ 10°C/min