



Hostaform® C 9021 MD

Celanese Corporation - Acetal (POM) Copolymer

Saturday, November 2, 2019

General Information

Product Description

Hostaform® C 9021 MD is a special modified Polyacetal copolymer based on Hostaform® C 9021 for parts, which should be identified by metal detectors. Preliminary Datasheet

General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Metal Detectable		
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.50	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	406000	psi	ISO 527-2/1A
Tensile Stress (Yield)	8410	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	9.5	%	ISO 527-2/1A/50
Flexural Modulus (73°F)	392000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	2.1	ft·lb/in ²	
73°F	2.1	ft·lb/in ²	
Charpy Unnotched Impact Strength (73°F)	45	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	207	°F	ISO 75-2/A
Melting Temperature ²	331	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min