

# Hostaform® C 9021 FCT1

Acetal (POM) Copolymer

Celanese Corporation

## Message:

This tribological modified grade has a good combination of mechanical properties and tribological properties. The mechanical properties are comparable to Hostaform C 9021 especially the good weld line strength.

Furthermore this grade FDA complaint for food contact applications.

General Information			
Features	Food Contact Acceptable		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	Contact Manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.50	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	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 (23°C)	7.5	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>1</sup>	166	°C	ISO 11357-3
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		

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