

Hostaform® MT8R02

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® acetal copolymer grade MT8R02 is a special grade developed for medical industry applications containing low residual monomers. Hostaform® MT8R02 is an improved wear performance grade targeted at injection molding grade with a molecular weight for excellent moldability and optimum properties in demanding applications.

General Information			
Features	Good formability		
	Good liquidity		
	Good wear resistance		
Uses	Medical/nursing supplies		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.40	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	2700	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	62.0	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)	8.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	82.0	°C	ISO 75-2/A
Melting Temperature ¹	166	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	3.0	hr	
Rear Temperature	176	°C	
Middle Temperature	182	°C	
Front Temperature	188	°C	
Nozzle Temperature	198	°C	
Processing (Melt) Temp	180 - 200	°C	
Mold Temperature	80.0 - 120	°C	
Injection Pressure	60.0 - 120	MPa	
Injection Rate	Slow-Moderate		

Holding Pressure	60.0 - 120	MPa
Back Pressure	0.00 - 0.500	MPa
Injection instructions		
Zone 4 Temperature: 193°C		
NOTE		
1.	10°C/min	

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