

Hostaform® MT8F01

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® acetal copolymer grade MT8F01 is a special grade developed for medical industry applications containing low residual monomers. Hostaform® MT8F01 is a standard flow low level polytetrafluoroethylene filled (PTFE) product designed for use in wear applications against plastics, metal, glass or ceramic mating surfaces where silicone lubricants can not be tolerated.

General Information			
Additive	PTFE lubricant		
Uses	Medical/nursing supplies		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.44	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	2600	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	58.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	28	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.2	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	166	°C	ISO 11357-3
Linear thermal expansion coefficient			ISO 11359-2
Flow	1.2E-4	cm/cm/°C	ISO 11359-2
Lateral	1.2E-4	cm/cm/°C	ISO 11359-2
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	182 - 199	°C	
Mold Temperature	77.0 - 93.0	°C	
Injection Pressure	60.0 - 120	MPa	
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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