

Hostaform® MT8F02

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® acetal copolymer grade MT8F02 is a special grade developed for medical industry applications containing low residual monomers. Hostaform® MT8F02 is a standard flow high 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		
Features	Good wear resistance		
Uses	Medical/nursing supplies		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	6.00	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.7	%	ISO 294-4
Flow direction	2.0	%	ISO 294-4
Water Absorption (Saturation, 23°C)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	48.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	7.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	16	%	ISO 527-2/1A/50
Tensile Creep Modulus			ISO 899-1
1 hr	2100	MPa	ISO 899-1
1000 hr	1200	MPa	ISO 899-1
Flexural Modulus (23°C)	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	ISO 179/1eA
23°C	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	60	kJ/m ²	ISO 179/1eU
23°C	60	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	98.0	°C	ISO 75-2/A
Melting Temperature ¹	166	°C	ISO 11357-3

CLTE - Flow	1.1E-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	180 - 200	°C	
Mold Temperature	80.0 - 120	°C	
Injection Pressure	60.0 - 120	MPa	
Injection Rate	Slow		
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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

