Hostaform® EC141SXF 10/9022

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® acetal copolymer grade EC141SXF 10/9022 is a conductive grade modified to resist deterioration from aggressive fuel blends. Hostaform® EC141SXF 10/9022 has been developed to dissipate static electricity from fuel handling systems. Hostaform® EC141SXF 10/9022 has been specially formulated for laser welding applications.
Please note Hostaform® EC141SXF 10/9022 has special processing considerations to ensure static dissipation properties. Use minimum back pressure and slowest screw speed possible in retracting screw during cooling portion of cycle. Large gate size (>2 mm) recommended. Pneumatic conveying of material long distances is not recommended.

General Information			
Features	Conductivity		
	Copolymer		
	Laser welding		
	Fuel resistance		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.50	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3200	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	58.0	MPa	ISO 527-2/1A/50
Tensile Strain			ISO 527-2/1A/50
Yield	11	%	ISO 527-2/1A/50
Fracture	17	%	ISO 527-2/1A/50
Flexural Modulus (23°C)	3000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1e
-30°C	3.0	kJ/m²	ISO 179/1e
23°C	4.0	kJ/m²	ISO 179/1e
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Melting Temperature [1]	170	°C	ISO 11357-3
Linear thermal expansion coefficient			ISO 11359-2
Flow	1.0E-4	cm/cm/°C	ISO 11359-2
Lateral	1.1E-4	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	3.0E+2	ohms·cm	IEC 60093
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80 - 100	°C	

Drying Time	3.0	hr
Rear Temperature	170 - 180	°C
Middle Temperature	175 - 185	°C
Front Temperature	180 - 190	°C
Nozzle Temperature	190 - 200	°C
Processing (Melt) Temp	180 - 200	°C
Mold Temperature	80 - 120	°C
Injection Pressure	60.0 - 120	MPa
Injection Rate	Slow	
Holding Pressure	60.0 - 120	MPa
Back Pressure	0.00 - 2.00	MPa

Injection instructions
Zone 4 Temperature: 185 to 195°CManifold Temperature: 190 to 200°C

NOTE	
1.	10°C/min

Recommended distributors for this material

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