

Hostaform® S 9364 WS 10/1570

Acetal (POM) Copolymer

Celanese Corporation

Message:

Preliminary Data Sheet

Hostaform® acetal copolymer grade S 9364 WS 10/1570 is a highly impact modified grade for demanding applications that also need improved resistance to UV exposure. Besides weatherability, Hostaform® S 9364 WS 10/1570 provides a significant improvement in impact strength and flexibility over standard impact modified grades such as Hostaform® S 9063 and S 9064. This grade is only available in black.

Chemical abbreviation according to ISO 1043-1: POM-HI

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Impact resistance, good		
	Good flexibility		
	Good weather resistance		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
Resin ID (ISO 1043)	POM-HI		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	4.50	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	41.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	20	%	ISO 527-2/1A/50
Flexural Modulus (23°C)	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	ISO 179/1eA
23°C	16	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
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	1.1E-4	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	

Drying Temperature	80.0 - 100	°C
Drying Time	3.0	hr
Rear Temperature	170 - 180	°C
Middle Temperature	180 - 190	°C
Front Temperature	180 - 190	°C
Nozzle Temperature	180 - 200	°C
Processing (Melt) Temp	180 - 200	°C
Mold Temperature	60.0 - 70.0	°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: 180 to 200°C		
NOTE		
1.	10°C/min	

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