



Hostaform® S 9364 WS 10/1570

Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

General Information

Product Description

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

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Impact Modifier		
Features	• Good Flexibility • Good Impact Resistance	• Good Weather Resistance • Impact Modified	• UV Resistant
RoHS Compliance	• Contact Manufacturer		
Appearance	• Black		
Resin ID (ISO 1043)	• POM-HI		

ASTM & ISO Properties ¹

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, 73°F)	0.80	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	218000	psi	ISO 527-2/1A
Tensile Stress (Yield)	5950	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	20	%	ISO 527-2/1A/50
Flexural Modulus (73°F)	203000	psi	ISO 178
Flexural Stress (3.5% Strain)	5370	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	3.3	ft·lb/in ²	
73°F	7.6	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	167	°F	ISO 75-2/A
Melting Temperature ²	331	°F	ISO 11357-3
Melting Temperature	329	°F	
CLTE - Flow	6.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse	6.1E-5	in/in/°F	ISO 11359-2

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	338 to 356	°F

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Injection	Nominal Value	Unit
Middle Temperature	356 to 374	°F
Front Temperature	356 to 374	°F
Nozzle Temperature	356 to 392	°F
Processing (Melt) Temp	356 to 392	°F
Mold Temperature	140 to 158	°F
Injection Rate	Slow	
Back Pressure	< 290	psi

Injection Notes

Zone4 temperature: 180 to 200°C

No flow temperature: 165°C

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min