



Hostaform® S 9364LPB

Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

General Information

Product Description

Preliminary Data Sheet Hostaform® acetal copolymer grade S 9364LPB is highly impact modified grade for low permeation. Hostaform® S 9364LPB provides a significant improvement in impact strength and flexibility over standard impact modified grades. 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	• Impact Modified
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)	0.600	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	239000	psi	ISO 527-2/1A
Tensile Stress (Yield)	6240	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	16	%	ISO 527-2/1A/50
Flexural Modulus (73°F)	225000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	5.2	ft·lb/in ²	
73°F	10	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	No Break		
73°F	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	167	°F	ISO 75-2/A
Vicat Softening Temperature	320	°F	ISO 306/B50
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
Injection Rate	Slow	

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Notes

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

² 10°C/min
