

Hostaform® S 9364LPB

Acetal (POM) Copolymer

Celanese Corporation

Message:

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 Information			
Additive	Impact Modifier		
Features	Copolymer		
	Good Flexibility		
	Good Impact Resistance		
	Impact Modified		
Resin ID (ISO 1043)	POM-HI		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	0.600	cm³/10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	43.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	16	%	ISO 527-2/1A/50
Flexural Modulus (23°C)	1550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	11	kJ/m²	
23°C	21	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
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
CLTE			ISO 11359-2
Flow	1.2E-4	cm/cm/°C	
Transverse	1.1E-4	cm/cm/°C	
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 100	°C
Drying Time	3.0	hr
Injection Rate	Slow	

NOTE

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| 1. | 10°C/min |
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