

Hostaform® S 9244 XAP®2 LS

Acetal (POM) Copolymer

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

Impact Modified, UV-stabilized

POM copolymer, modified Injection molding type, elastomer-containing; with higher impact strength and slightly lower hardness, rigidity and chemical resistance than the basic type HOSTAFORM® C 9021 Reduced emission grade, Emission according to VDA 275 < 5 mg/kg good weld strength. Preliminary Datasheet for natural and colored grades

General

Material Status	• Commercial: Active
Search for UL Yellow Card	• Celanese Corporation • Hostaform®
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Additive	• Impact Modifier • Mold Release • UV Stabilizer
Features	• Impact Modified • Light Stabilized
Uses	• Automotive Applications
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.26 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	1.4 cm ³ /10min	ISO 1133
Molding Shrinkage		ISO 294-4
Across Flow	1.6 %	
Flow	1.7 %	
Water Absorption		ISO 62
Saturation, 23°C	1.2 %	
Equilibrium, 23°C, 50% RH	0.20 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1450 MPa	ISO 527-2/1A
Tensile Stress (Yield)	33.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	7.0 %	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 50 %	ISO 527-2/1A/50
Tensile Creep Modulus		ISO 899-1
1 hr	1200 MPa	
1000 hr	650 MPa	
Flexural Modulus (23°C)	1450 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-30°C	12 kJ/m ²	
23°C	18 kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179/1eU
-30°C, Partial Break	200 kJ/m ²	
23°C	No Break	

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		ISO 75-2/A
1.8 MPa, Unannealed	68.0 °C	
Vicat Softening Temperature	115 °C	ISO 306/B50
Melting Temperature ²	166 °C	ISO 11357-3
CLTE - Flow	1.3E-4 cm/cm/°C	ISO 11359-2



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Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+13 ohms·cm	IEC 60093
Dielectric Constant		IEC 60250
100 Hz	3.60	
1 MHz	3.60	
Dissipation Factor		IEC 60250
100 Hz	4.0E-3	
1 MHz	6.0E-3	
Comparative Tracking Index (CTI)	PLC 0	UL 746

Injection	Nominal Value Unit
Drying Temperature	100 to 120 °C
Drying Time	3.0 to 4.0 hr

Notes

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

² 10°C/min



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Where to Buy

Supplier

Celanese Corporation

Florence, KY USA

Telephone: 800-833-4882

Web: <http://www.celanese.com/engineered-materials>

Distributor

Amco Polymers

Telephone: 800-262-6685

Web: <http://www.amcopolymers.com/>

Availability: North America

Channel Prime Alliance

Telephone: 800-247-8038

Web: <http://www.channelpa.com/>

Availability: North America

Entec Polymers

Telephone: 833-319-0299

Web: https://www.entecpolymers.com/?utm_source=ul&utm_medium=paid%20association&utm_campaign=entec%20%7C%20entec%201&utm_term=ul%20%7C%20where%20to%20buy

Availability: North America

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

