

Hostaform® EC140XF

Acetal (POM) Copolymer

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

electrostatic dissipative, fuel resistant including hot diesel

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet		
UL Yellow Card ²	• E38860-101233763 • E174096-104624020		
Search for UL Yellow Card	• Celanese Corporation • Hostaform®		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Graphite Powder		
Features	• Antistatic	• Electrically Conductive	
Forms	• Pellets		
Processing Method	• Injection Molding		
Multi-Point Data	• Isothermal Stress vs. Strain (ISO 11403)	• Secant Modulus vs. Strain (ISO 11403)	
Part Marking Code (ISO 11469)	• >POM-CD<		
Resin ID (ISO 1043)	• POM-CD		

Physical	Nominal Value Unit	Test Method
Density	1.42 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	4.0 cm ³ /10min	ISO 1133
Molding Shrinkage		ISO 294-4
Across Flow	1.9 %	
Flow	2.1 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2700 MPa	ISO 527-1
Tensile Stress (Yield)	53.0 MPa	ISO 527-2/50
Tensile Strain		ISO 527-2/50
Yield	4.7 %	
Break	12 %	
Flexural Modulus	2650 MPa	ISO 178
Flexural Stress (3.5% Strain)	70.0 MPa	ISO 178
Poisson's Ratio	0.45	

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	4.5 kJ/m ²	ISO 180/1A

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (M-Scale)	75	ISO 2039-2



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Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed	152 °C	ISO 75-2/B
1.8 MPa, Unannealed	91.0 °C	ISO 75-2/A
Melting Temperature ⁴	166 °C	ISO 11357-3
CLTE		ISO 11359-2
Flow	1.0E-4 cm/cm/°C	
Transverse	1.1E-4 cm/cm/°C	
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+3 ohms	IEC 62631-3-2
Electrical Resistivity - conductive plastics	1.0E+2 ohms·cm	ISO 3915
Fill Analysis	Nominal Value Unit	
Ejection Temperature	131 °C	
Injection	Nominal Value Unit	
Drying Temperature	100 °C	
Drying Time - Desiccant Dryer	3.0 to 4.0 hr	
Suggested Max Moisture	< 0.20 %	
Processing (Melt) Temp	190 to 210 °C	
Melt Temperature, Optimum	200 °C	
Mold Temperature	80 to 120 °C	
Mold Temperature, Optimum	100 °C	
Holding Pressure	60.0 to 120 MPa	
Back Pressure	2.00 MPa	
Drying Recommended	no	
Screw Tangential Speed	< 18 m/min	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.

⁴ 10°C/min



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Where to Buy

Supplier

Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

Web: <https://www.celanese.com/>

Distributor

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%20%201&utm_term=ul%20%7C%20where%20to%20buy

Availability: North America

Entec Polymers Latin America

Contact Entec Polymers for availability of individual products by country.

Web: <https://www.entecpolymers.com/>

Availability: Latin America

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Web: https://shop.formerra.com/?utm_source=ULPROSPECTOR&utm_medium=WEB

Availability: Global

K.D. Feddersen GmbH & Co. KG

K.D. Feddersen is a Pan European distribution company. Contact K.D. Feddersen for availability of individual products by country.

Telephone: +49-23507-260

Web: <https://kdfeddersen.com/en>

Availability: Algeria, Europe, Morocco, Tunisia, Turkey

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

