

Technical Data Sheet

Hifax CA 721 GW



Catalloy

Product Description

Hifax CA 721 GW is a flexible polypropylene resin used by our customers for waterproofing applications. It is manufactured using the LyondellBasell's proprietary *Catalloy* process technology. *Hifax* CA 721 GW membranes can be produced on slot die extruders, circular die (Blown film) extruders and on most of the calendaring units.

Hifax CA 721 GW is available in natural pellet form, and is UV light stabilised. Our customers use *Hifax* CA 721 GW to produce flexible membrane, fish pond liner, snow lagoon membrane, tunnel lining, water reservoir liner, floating cover, soil and waste sheet and flexible profiles.

Hifax CA 721 GW is not intended for medical and pharmaceutical applications.

Regulatory Status

For regulatory compliance information, see *Hifax* CA 721 GW [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; South & Central America
Application	Geomembranes; Soft Profile & Sheets; Soil & Waste Sheet; Waterproofing Liner
Market	Automotive; Industrial, Building & Construction; Outdoor Equipment
Processing Method	Blown Film; Calendaring; Extrusion Flat-die
Attribute	Durable; Good Dimensional Stability; Good ESCR (Environmental Stress Cracking Resistance); Good Flexibility; Good Puncture Resistance; Hot Air Weldable; Low Temperature Impact Resistance; UV Stabilized

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.6	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	80	MPa	ISO 178
Tensile Stress at Yield	5	MPa	ISO 527-1, -2
Tensile Strain at Break	> 500	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m ²	ISO 179
(-40 °C)	5	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D, 15 sec)	30		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	60	°C	ISO 306

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Recipient Tracking #:
Request #: 907252

DSC Melting Point

142 °C

ISO 11357-3

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

The product(s) may not be used in:

- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.

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