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 calendering 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.
Hifax CA 721 GW cannot be used in geomembranes application without prior approval from the seller.

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	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/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	90	MPa	ISO 178
Tensile Stress at Break	11	MPa	ISO 527-1, -2
Tensile Strain at Break	> 500	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m²	ISO 179
(-20 °C)	110	kJ/m²	ISO 179
(-40 °C)	5	kJ/m²	ISO 179
Hardness			
Shore Hardness, (Shore D, 15 sec)	30		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	60	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	40	°C	ISO 75B-1, -2
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

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