

Technical Data Sheet

Hifax CA 212 A

Catalloy



Product Description

Hifax CA 212 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.

It has been developed for industrial applications where a combination of good processability and excellent softness is required.

The grade is available in natural pellet form.

Regulatory Status

For regulatory compliance information, see Hifax CA 212 A [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Automotive Flooring; Polymer Modifier; Single Ply Roofing; TPO Foils and Skins
Market	Automotive; Industrial, Building & Construction
Processing Method	Calendaring; Compounding; Extrusion Coating; Injection Molding; Sheet
Attribute	Good Flexibility; Good Processability; High Filler Loading Capability; High Flow; High Impact Resistance; Soft

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8	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 Break	10	MPa	ISO 527-1, -2
Tensile Elongation at Break	450	%	ISO 8986-2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m ²	ISO 179
(-20 °C)	NB	kJ/m ²	ISO 179
(-40 °C)	4	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	30		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	56	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	40	°C	ISO 75B-1, -2
Melting Temperature	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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- (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.

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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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