

Technical Data Sheet

Hifax CA 7320 A

Catalloy



Product Description

Hifax CA 7320 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.

It is designed for use in compounds where it shows high efficiency as impact modifier. It gives excellent processability whilst maintaining optimum mechanical properties.

The grade is available in natural pellet form.

Regulatory Status

For regulatory compliance information, see *Hifax* CA 7320 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	Impact Modification; Polymer Modifier
Market	Automotive; Compounding; Industrial, Building & Construction
Processing Method	Calendaring; Compounding; Extrusion Coating; Injection Molding; Sheet
Attribute	Good Flexibility; Good Flow; Good Processability; High Filler Loading Capability; Soft

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.1	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	200	MPa	ISO 178
Tensile Stress at Break	10	MPa	ISO 527-1, -2
Tensile Strain at Break	500	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	No Break	kJ/m ²	ISO 179
(-20 °C)	100	kJ/m ²	ISO 179
(-40 °C)	95	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	32		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	62	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	40	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DSC

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

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