

Technical Data Sheet

Hifax CA 7441 A

Catalloy



Product Description

Hifax CA 7441 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.

It is suitable for extrusion processes. It exhibits low stiffness, low hardness, combined with a high melting point and low fluidity.

The grade is available in natural pellet form.

Regulatory Status

For regulatory compliance information, see *Hifax* CA 7441 A [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	Polymer Modifier; Wire & Cable
Market	Electrical / Electronics; Wire & Cable
Processing Method	Compounding; Extrusion Flat-die; Wire & Cable
Attribute	Good Dimensional Stability; Low Flow; Low Temperature Flexibility

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.8	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	100	MPa	ISO 178
Tensile Stress at Break	12	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
(-20 °C)	NB	kJ/m ²	ISO 179
(-40 °C)	8	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	30		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	56	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	40	°C	ISO 75B-1, -2
Melting Temperature	163	°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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- (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.
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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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