

Hifax CA 1133 A

Advanced Polyolefin

Product Description

Hifax CA 1133 A, is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology.

It is used for injection molding. Hifax CA1133 A is in particular suitable for high impact strength applications, even at low temperature. The product is characterised both by medium rigidity and a very good processability as well as and excellent paintability.

The grade is available in natural pellet form.

For regulatory compliance information see *Hifax* CA 1133 A Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS), which can be found on www.polymers.lyondellbasell.com.

Product Characteristics

Status Commercial: Active

Test Method used ISO

Availability Europe, North America, Asia-Pacific, Australia/NZ, Africa-

Middle East, Latin America

Processing Methods Extrusion Compounding, Injection Molding

 $\label{thm:linear} \mbox{High Impact Resistance , Low Temperature Impact Resistance, Paintable, Good Processability, Medium}$ **Features**

Rigidity

Typical Customer Applications Exterior Applications, Impact modification

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.89	g/cm³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	16	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	17	MPa
Tensile Strain at Break	ISO 527-1, -2	> 200	%
Flexural modulus	ISO 178	850	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C, Type 1, Notch A)		No Break	
(- 20 °C, Type 1, Notch A)		9	kJ/m²
(-40 °C, Type 1, Notch A)		7	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	54	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	60	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	122	°C

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit http://www.lyb.com/.

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This product(s) may not be used in:

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- (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) 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; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.
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All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

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

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