Technical Data Sheet

Hiflex CA 7600 A

Catalloy

Product Description

Hiflex CA 7600 A is a reactor soft thermoplastic polyolefin (TPO) , manufactured using the LyondellBasell proprietary *Catalloy* process technology and is stabilized with a standard additive package. The grade is available in natural colored pellet form. *Hiflex* CA 7600 A is designed for use in injection molding or extrusion compounds when high processability, optimum mechanical and dimensional stability, are key properties. Thanks to its tailored elastomeric phase, *Hiflex* CA 7600 A features high softness and high toughness at very low temperature and provide high thermal characteristics. *Hiflex* CA 7600 A is used as a blending partner to improve the overall performances of esthetical interior and exterior automotive parts. *Hiflex* CA 7600 A provides high filler loading capability and is highly compatible with a wide range of polyolefins and soft plastics. This grade can be either blended or co-extruded with other materials to provide the required property balance.

Regulatory Status

For regulatory compliance information, see *Hiflex* CA 7600 A Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Developmental
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Exterior Automotive Applications; Impact Modification
Processing Method	Compounding; Injection Molding
Attribute	Good Dimensional Stability; Good Processability; Haptics; High Filler Loading Capability; Low Temperature Impact Resistance; Matte; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.0	g/10 min	ISO 1133
Density, (23 °C, Method A)	0.88	g/cm³	ISO 1183
Mechanical			
Flexural Modulus	180	MPa	ISO 178
Tensile Stress at Break	11	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m²	ISO 179
(-20 °C)	NB	kJ/m²	ISO 179
(-40 °C)	110	kJ/m²	ISO 179
Hardness			
Shore Hardness, (Shore D)	26		ISO 868
Thermal			

Vicat Softening Temperature, (A/10 N)	58	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	45	°C	ISO 75B-1, -2
Melt 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

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
- Basell Poliolefinas Ltda.
- Basell Poliolefinas, S. de R.L. de C.V.
- LyondellBasell Australia Pty Ltd

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:
(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.

The product(s) may not be used in:
(i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
(ii) applications involving permanent implantation into the body;
(iii) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.

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