

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		Test Method
	Value	Units	
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.0	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm ³	ISO 1183-1
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/m ²	ISO 179
(-20 °C)	NB	kJ/m ²	ISO 179
(-40 °C)	110	kJ/m ²	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
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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- (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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