

Technical Data Sheet

Hifax CA 7378 A



Catalloy

Product Description

Hifax CA 7378 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.

It is suitable for injection molding controlled shrinkage applications (e.g. automotive exterior or interior). Hifax CA 7378 A exhibits high melt flow rate with good impact/stiffness balance and reduced shrinkage.

The grade is available in natural pellet form.

Regulatory Status

For regulatory compliance information, see Hifax CA 7378 A [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Automotive Parts; Bumpers; Exterior Automotive Applications; Polymer Modifier
Market	Automotive
Processing Method	Compounding; Injection Molding
Attribute	Good Adhesion; Good Dimensional Stability; Good Impact Resistance; Good Processability; High Stiffness; Paintable

Typical Properties	Nominal		Test Method
	Value	Units	
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	13	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.89	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1200	MPa	ISO 178
Tensile Stress at Break	18	MPa	ISO 527-1, -2
Tensile Stress at Yield	21	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	37	kJ/m ²	ISO 179
(0 °C)	11	kJ/m ²	ISO 179
(-30 °C)	6	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A/10 N)	138	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	95	°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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Users should review the applicable Safety Data Sheet before handling the product.

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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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- (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.

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