Technical Data Sheet

Hifax CA 7201 A

Catalloy

Product Description

Hifax CA 7201 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.
It is primarily used for bumper and interior/exterior trim applications in Automotive. It has a very high impact performance, reduced shrinkage and a very good paintability. The material also has a high level of processability. The grade is available in natural pellet form.

Regulatory Status

For regulatory compliance information, see *Hifax* CA 7201 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	Bumpers; Exterior Automotive Applications; Exterior Trim; Interior Automotive Applications; Polymer Modifier
Market	Automotive; Compounding
Processing Method	Compounding; Injection Molding
Attribute	Good Adhesion; Good Dimensional Stability; Good Processability; Good Stiffness; High Impact Resistance; Paintable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density	0.89	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	750	MPa	ISO 178
Tensile Stress at Break	16	MPa	ISO 527-1, -2
Tensile Stress at Yield	17	MPa	ASTM D638
Tensile Strain at Break	>500	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	50	kJ/m²	ISO 179
(-20 °C)	45	kJ/m²	ISO 179
(-40 °C)	10	kJ/m²	ISO 179
Multi-axial Impact Strength, (-30 °C, 2.2 m/s, 3.2 mm plaque)	23.9	J	ASTM D3763
Thermal			
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	65	°C	ISO 75B-1, -2
DSC Melting Point	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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