

Technical Data Sheet

Softell CA 7413 A



Catalloy

Product Description

Softell CA 7413 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology. It is suitable for the extrusion, calendaring and extrusion blow moulding of very soft film and sheet as well as for injection moulded parts. *Softell* CA 7413 A exhibits outstanding low stiffness, excellent low hardness and very good impact resistance. *Softell* CA 7413 A shows high compatibility to fillers and flame retardant additives as well as to other polyolefins. The grade is available in natural pellet form.

Regulatory Status

For regulatory compliance information, see *Softell* CA 7413 A [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Automotive Flooring; Interior Automotive Applications; Polymer Modifier; Single Ply Roofing; Soft Profile & Sheets; Soft Touch Applications; TPO Foils and Skins
Market	Automotive; Industrial, Building & Construction
Processing Method	Calendaring; Compounding; Extrusion Coating; Sheet
Attribute	Good Flexibility; Good Processability; High Filler Loading Capability; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Density, (23°C, Method A)	0.88	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	30	MPa	ISO 178
Tensile Stress at Break	8	MPa	ISO 527-1, -2
Tensile Strain at Break	550	%	ISO 527-1, -2
Impact			
Notched Charpy Impact Strength			
(23°C)	No Break	kJ/m ²	ISO 179
(-20°C)	No Break	kJ/m ²	ISO 179
(-40°C)	8	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore A)	75		ISO 868
Thermal			
Vicat Softening Temperature, (A/50 N)	41	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	38	°C	ISO 75B-1, -2
DSC Melting Point	142	°C	DSC

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Recipient Tracking #:
Request #: 263034

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

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

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

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This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or
- (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.
- (iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

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

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

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