

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 \(SDS\)](#).

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

Typical Properties	Nominal		Test Method
	Value	Units	
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	2.5	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	No Break	kJ/m <sup>2</sup>	ISO 179
(-20 °C)	No Break	kJ/m <sup>2</sup>	ISO 179
(-40 °C)	8	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Shore Hardness, (Shore A)	75		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A/10 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

## 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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- (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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