

## Clyrell 7173 XCP

### Advanced Polyolefin

#### Product Description

Clyrell 7173 XCP is clear polypropylene random copolymer particularly suited for thermoforming/injection blow moulding and single or multi layer sheet extrusion. It offers an excellent clarity and gloss and these characteristics may be further enhanced through orientation processes (i.e. injection stretch blow moulding). The injection moulding applications of the Clyrell 7173 XCP include posts and cups for foodstuff, trays for biscuits and bakery products, caps and closures for cosmetic and toiletry applications. Extruded sheet made of the Clyrell 7173 XCP can be used in stationary folders and for thermoforming articles such as trays for fresh pasta, sweets or biscuits, fruit and vegetable containers and posts for dairy products.

For regulatory compliance information see the Clyrell 7173 XCP Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS), which can be found on [www.polymers.lyondellbasell.com](http://www.polymers.lyondellbasell.com).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO ASTM
<b>Availability</b>	Europe
<b>Processing Methods</b>	Cast Film, Double Bubble, Extrusion Thermoforming, Injection Blow Molding
<b>Features</b>	High Clarity, Random Copolymer, High Gloss
<b>Typical Customer Applications</b>	Cast Film, Film

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.9	kg/m <sup>3</sup>
Melt flow rate (MFR)	ISO 1133	6	g/10 min
<b>Mechanical</b>			
Flexural modulus (23 °C, 1 mm/min)	ISO 178	1450	MPa
<b>Thermal</b>			
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	96	°C
Vicat softening temperature (B50 (50 °C/h 50 N))	ISO 306	143	°C
<b>Optical</b>			
Haze (50 µm)	ASTM D 1003	1	%
Gloss (45°, 50 µm)	ASTM D 2457	90	

#### Additional Properties

Film properties obtained on cast film produced with laboratory line under internal standard conditions.

#### Notes

Typical properties; not to be construed as specifications.

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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
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, 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 Material Safety Data Sheet before handling the product.

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