

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.

Product Characteristics

Status	Commercial: Active		
Test Method used	ISO ASTM		
Processing Methods	Cast Film, Double Bubble, Extrusion Thermoforming, Injection Blow Molding		
Features	High Clarity, Random Copolymer, High Gloss		
Typical Customer Applications	Cast Film, Film		
Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	kg/m ³
Melt flow rate (MFR)	ISO 1133	6	g/10 min
Mechanical			
Flexural modulus (23 °C, 1 mm/min)	ISO 178	1450	MPa
Thermal			
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
Optical			
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.

