

**Clyrell RC110E**



Polypropylene, Specialty Products

**Product Description**

Clyrell RC110E is a polypropylene random copolymer; it does not contain slip or anti-block additives and it is Calcium Stearate free.

Clyrell RC110E is designed for the production of blown, oriented and cast film. It is used by customers for a broad range of applications including textiles.

**Regulatory Status**

For regulatory compliance information, see Clyrell RC110E [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Europe
<b>Application</b>	Food Packaging Film; Hygiene Film; Lamination Film; Shrink Film; Surface Protection Film; Textile Packaging Film
<b>Processing Method</b>	Blown Film; BOPP; Cast Film; Double Bubble

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	0.8	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	500	N/mm <sup>2</sup>	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	27	N/mm <sup>2</sup>	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	19.5	N/mm <sup>2</sup>	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	420	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	16.5	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	80	kJ/m <sup>2</sup>	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	7.5	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	118	°C	ISO 306

## 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

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