

Technical Data Sheet

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.

Application Food Packaging Film; Hygiene Film; Lamination Film; Shrink Film; Surface Protection Film; Textile Packaging Film

Processing Method Blown Film; BOPP; Cast Film; Double Bubble

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