

Technical Data Sheet

Clyrell RC112L



Polypropylene, Specialty Products

Product Description

Clyrell RC112L is a polypropylene random copolymer, specially designed for manufacturing of films. This grade features low modulus and good optics. It can be used as a sealing or printing layer in co-extruded film applications. It does not contain slip or anti-block additives.

Application	Bags & Pouches; Food Packaging Film
Market	Flexible Packaging
Processing Method	BOPP; Cast Film

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.0	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	450	N/mm ²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	26	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	18	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	680	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	15	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	13	kJ/m ²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	7	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	113	°C	ISO 306
Deflection Temperature Under Load, (0.46 N/mm ²)	55	°C	ISO 75B-1, -2