Technical Data Sheet

Clyrell RC124H

Polypropylene, Specialty Products

Product Description

Clyrell RC124H is a high modified polypropylene random copolymer designed for extrusion applications. *Clyrell* RC124H exhibits enhanced optical properties. The main applications of *Clyrell* RC124H are blown film extrusion, sheet extrusion and thermoforming.

Application	Bags & Pouches; Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Blown Film; Sheet; Thermoforming
Attribute	Good Optical Properties; High Clarity; High Gloss; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.2	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	750	N/mm²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	28.0	N/mm²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	25.0	N/mm²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	500	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	15.0	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	45.0	kJ/m²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	8.0	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	120	°C	ISO 306
Deflection Temperature Under Load, (0.46 N/mm²)	65	°C	ISO 75B-1, -2