Technical Data Sheet

Clyrell RC215M

Polypropylene, Random Copolymer

Product Description

Clyrell RC215M is a high flow and highly modified polypropylene random copolymer. It contains anti-blocking and slip additives.

Clyrell RC215M is typically used by customers for manufacturing of un-oriented films. Typical applications reported by customers are lamination, textile and packaging of foodstuffs.

Customers have been reporting that films produced using *Clyrell* RC215M offer a good balance of properties such as high clarity, brightness, stiffness and medium seal initiation temperature (SIT).

Application	Food Packaging Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	High Clarity; High Gloss; Medium Temperature Heat Sealability; Random Copolymer; Unspecified Antiblocking; Unspecified Slip

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10.5	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
Tensile Stress at Break	30	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	6	kJ/m²	ISO 179-1/1eA
(0 °C)	2	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A/50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	68	°C	ISO 75B-1, -2