

Technical Data Sheet

Moplen RP315M

Polypropylene, Random Copolymer



Product Description

Moplen RP315M is a slightly modified polypropylene random copolymer. It contains slip and anti-blocking additives.

Moplen RP315M is typically used by customers for manufacturing of un-oriented cast films. Customers report stationary, lamination, textile and packaging of foodstuffs as typical applications.

It has been reported by customers that *Moplen* RP315M exhibit very good processability, and the films produced with *Moplen* RP315M exhibits good clarity, gloss and heat weldability.

Application	Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	High Clarity; High Gloss; Medium Rigidity; Opticals; Random Copolymer; Unspecified Antiblocking; Unspecified Slip; Weldable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.5	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1100	N/mm ²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	30.0	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	27.0	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	600	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	12.0	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6.0	kJ/m ²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	2.0	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Deflection Temperature Under Load, (0.46 N/mm ²)	75	°C	ISO 75B-1, -2