Technical Data Sheet

Moplen RP310M

Polypropylene, Random Copolymer

Product Description

Moplen RP310M is a slightly modified polypropylene random copolymer. It does not contain slip or anti-blocking additives.

Moplen RP310M 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* RP310M exhibit good processability, and that films produced with *Moplen* RP310M exhibits high clarity, high gloss and heat weldability

Application	Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Good Processability; High Clarity; High Gloss; Medium Rigidity; Random Copolymer

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/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1100	MPa	ISO 178
Tensile Stress at Break	27	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	12	%	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)	140	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	75	°C	ISO 75B-1, -2