

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 |