

Technical Data Sheet

Moplen RP225M



Polypropylene, Random Copolymer

Product Description

Moplen RP225M is a controlled rheology medium modified propylene random copolymer for manufacturing high transparent cast films. The product contains slip and anti-block agents. It offers good processability, excellent clarity and gloss and exhibits very good heat weldability. Main applications are packaging of foodstuffs, packaging of stationary, shirts and hosiery. It is also suitable for production of stationary folders *Moplen* RP225M is suitable for food contact.

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|--------------------------|--|
| Application | Food Packaging Film; Stationery Film; Textile Packaging Film |
| Market | Flexible Packaging |
| Processing Method | Cast Film |
| Attribute | Controlled Rheology; Good Processability; High Clarity; High Gloss; Random Copolymer; Unspecified Antiblocking; Unspecified Slip; Weldable |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 8.0 | g/10 min | ISO 1133-1 |
| Density | 0.90 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus | 700 | N/mm ² | ISO 178 |
| Tensile Stress at Break, (23 °C, 50 mm/min) | 26.0 | N/mm ² | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C, 50 mm/min) | 23.0 | 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) | 14.0 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C, Type 1, Edgewise, Notch A) | 10.0 | kJ/m ² | ISO 179-1/1eA |
| (0 °C, Type 1, Edgewise, Notch A) | 3.0 | kJ/m ² | ISO 179-1/1eA |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 125 | °C | ISO 306 |
| Deflection Temperature Under Load, (0.46 N/mm ²) | 60 | °C | ISO 75B-1, -2 |