

Technical Data Sheet

Moplen RP316M

Polypropylene, Random Copolymer



Product Description

Moplen RP316M is a slightly modified polypropylene random copolymer. It contains slip, anti-blocking and anti-static additives.

Moplen RP316M 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* RP316M exhibit very good processability, and that films produced with *Moplen* RP316M exhibits good clarity, gloss and heat weldability.

Regulatory Status

For regulatory compliance information, see *Moplen* RP316M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|---|
| Status | Commercial: Active |
| Availability | Africa-Middle East; Europe |
| Application | Food Packaging Film; Stationery Film; Textile Packaging Film |
| Market | Flexible Packaging |
| Processing Method | Cast Film |
| Attribute | Contains Antistat; Good Processability; High Clarity; High Gloss; Medium Rigidity; 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 | 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/m ² | ISO 179-1/1eA |
| (0 °C) | 2 | kJ/m ² | 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 |

Notes

These are typical property values not to be construed as specification limits.

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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