



Luban RP4202M

Polypropylene Random Copolymer

Description

Luban RP4202M is manufactured using the Spheripol Technology. Luban RP4202M is medium modified polypropylene random copolymer for the extrusion of cast and water quenched blown films applications. The grade is without slip or AB additives. Luban RP4202M offers good processability, excellent clarity and gloss and exhibits very good heat weldability. The seal initiation temperature is about 130°C. The grade is designed for quality packaging applications, either as monolayer film or as welding layer in coextruded structures. Due to its excellent weldability, Luban RP4202M is well suited for lamination to PP-film or other materials such as PA, polyester or aluminum to form the sealing layer.

Application

Cast and blown films, laminates, packaging of foodstuffs, biscuits, tea, packaging of stationery, shirts and hosiery.

Properties (Typical Values)

Property	Units	Test method	Value
Melt flow rate (230°C/2.16 kg)	g/10 min	ISO 1133	6
Density	g /cm ³	ASTM D1505	0.900
Tensile modulus (1 mm/min)	MPa	ISO 527-2	920
Tensile stress at yield (50 mm/min)	MPa	ISO 527-2	27
Tensile strain at yield (50 mm/min)	%	ISO 527-2	12
Charpy notched impact strength (+23°C)	kJ/m ²	ISO 179/1eA	4.3
Heat Deflection Temperature (0.45 MPa)	°C	ISO 75-2	75
Vicat Softening Temperature	°C	ISO 306-A	134

Note: These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

Processing Guidelines

The Typical Processing Conditions for Luban HP4202M are:

Average Extrusion Temperatures 210 – 250 °C

Note: Processing parameters should only be used as guidelines. The above properties values are not to be construed as specifications.



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Storage and Handling

Luban RP4202M must be protected from direct sunlight and should be stored in a shaded and completely dry area. During handling and processing, the material should be kept in a well-ventilated area to prevent the accumulation of dust and fumes. Contact with strong oxidizers, excessive heat, sparks or open flame should be avoided as this could initiate the degradation process and consequently impact the quality of the material.

Safety

Luban RP4202M is not classified as dangerous preparation. For further information about safety in handling and processing please refer to the Safety Data Sheet.

Food Contact

Luban RP4202M meets the requirements of the U.S. Food and Drug Administration (FDA) as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact. For additional information on approved conditions of use for food contact applications, please refer to the "Product Stewardship Declaration".

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

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Disclaimer:

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