

Luban EP2340L

Polypropylene Impact Copolymer



Description

Luban EP2340L is manufactured using the Spheripol Technology. Luban EP2340L is medium flow impact copolymer polypropylene with improved mechanical properties balance. The product features high stiffness and outstanding impact strength at low temperatures and is specifically designed for injection molding applications. The grade exhibits high stiffness and outstanding impact strength, 35% higher than conventional grades. Luban EP2340L is suitable for a wide range of applications in the packaging, automotive and consumer goods industries.

Application

Packaging, automotive and consumer goods industries, luggage, furniture, paint pails, buckets, containers, crates, batteries and large toys

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	ISO 1183	0.90
Tensile modulus (1 mm/min)	MPa	ISO 527-2	1000
Tensile stress at yield (50 mm/min)	MPa	ISO 527-2	24
Tensile strain at yield (50 mm/min)	%	ISO 527-2	6
Tensile stress at break (50 mm/min)	MPa	ISO 527-2	18
Tensile strain at break (50 mm/min)	%	ISO 527-2	>100
Charpy notched impact strength (+23°C)	kJ/m ²	ISO 179/1eA	18
Charpy notched impact strength (0°C)	kJ/m ²	ISO 179/1eA	7.0
Charpy notched impact strength (-20°C)	kJ/m ²	ISO 179/1eA	5.5
Vicat Softening Temperature	°C	ISO 306-A	146

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 EP2340L are:

Melt temperature	220 – 260 °C
Holding pressure	200 – 500 bar Maximum to avoid sink marks

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Mold temperature	20 – 40 °C
Injection speed	High
Shrinkage	1 – 2 % depending on wall thickness and molding parameters

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

Storage and Handling

Luban EP2340L should be stored in well ventilate area during handling or processing of to prevent accumulation of dust and fumes. Avoid contact with strong oxidizers, excessive heat, sparks or open flame as this could well speed up alteration and consequently loss of quality of the material in which could lead to unforeseen dangers. The bags must be protected from direct sunlight and should be stored in shaded and completely dry area for good processing.

Safety

Luban EP2340L 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 EP2340L 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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