



# Luban EP2380T

## Polypropylene Impact Copolymer

### Description

Luban EP2380T is manufactured using the Spheripol Technology. Luban EP2380T is an impact copolymer polypropylene having high flow, excellent dimensional stability, and superior balance of stiffness and impact. The grade is suitable for injection molding where low cycle times and good dimensional consistency is desired. The grade is recommended for end use applications like washing machine tubs, appliance parts, automotive parts, thin wall injection molding (TWIM) food packaging containers and houseware.

### Application

Houseware, containers, TWIM food packaging, washing machine tubs, appliances & automotive parts.

### Properties (Typical Values)

Property	Units	Test method	Value
Melt flow rate (230°C/2.16 kg)	g/10 min	ISO 1133	50
Density	g /cm <sup>3</sup>	ISO 1183	0.90
Tensile modulus (1 mm/min)	MPa	ISO 527-2	1150
Tensile stress at yield (50 mm/min)	MPa	ISO 527-2	24
Tensile strain at yield (50 mm/min)	%	ISO 527-2	6
Tensile strain at break (50 mm/min)	%	ISO 527-2	>50
Izod notched impact strength (+23°C)	J/m	ASTM D 256	62
Heat Deflection Temperature (0.45 MPa)	°C	ISO 75-2	90

**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 EP2380T are:

<b>Melt temperature</b>	220 – 260 °C
<b>Holding pressure</b>	200 – 500 bar Maximum to avoid sink marks
<b>Mold temperature</b>	20 – 40 °C
<b>Injection speed</b>	High
<b>Shrinkage</b>	1 – 2 % depending on wall thickness and molding parameters



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### Storage and Handling

Luban EP2380T 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 EP2380T 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 EP2380T 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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