



Luban EP2380T (Moplen EP380T)

Polypropylene Impact Copolymer



Description

Luban EP2380T is 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, TWIM food packaging containers and housewares.

Application

Housewares, opaque containers, washing machine tubs, appliance & 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 ³	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:

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





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Storage and Handling

Luban EP2380T 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 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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