



Luban RP1248L (RC514L)

Polypropylene Random Copolymer



Description

Luban RP1248L is clarified polypropylene random copolymer for high transparency thermoforming applications with enhanced optical appearance. The grade has high rigidity and transparency. As a result, high mechanical resistance of the packaging and optimal aesthetic properties can be achieved. Luban RP1248L can be easily processed for the production of transparent and rigid packaging by thermoforming as an alternative to PVC and A-PET.

Application

Fresh food packaging, ready meal trays, drinking cups and Form-Fill-Seal (FFS) blister packs

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	0.91
Flexural modulus	MPa	ISO 178	1450
Tensile stress at yield (50 mm/min)	MPa	ISO 527-2	35
Tensile strain at yield (50 mm/min)	%	ISO 527-2	11
Izod impact notched (+23°C)	kJ/m ²	ISO 179/1eA	5
Heat Deflection Temperature (0.45 MPa)	°C	ISO 75-2	96
Vicat Softening Temperature	°C	ISO 306-A	143

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 RP1248L are:

Extrusion temperatures	220 – 250 °C
Melt temperature	240 – 250 °C
Sheet temperature	250 – 255 °C
Roll Stack Temperature	78/80/60 °C
Forming window	150 – 158° C – Heat temperature depending on machine and line speed

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 RP1248L 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 RP1248L 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 RP1248L 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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