Luban RP7204G
Polypropylene Random Copolymer

Description

Luban RP7204G is manufactured using the Spheripol Technology. Luban RP7204G is a polypropylene random copolymer to be used in extrusion applications with high chemical resistance, high gloss and stress cracking resistance. It is typically used for blow molding and sheet and film extrusion.

Application

Extrusion of film: packaging and sheet for stationery folders and displays.
Extrusion of blow molding: high gloss monolayer bottles, clear or pigmented, for the packaging of cosmetics, detergents, chemicals and food applications.

Properties (Typical Values)

Property	Units	Test method	Value
Melt flow rate (230°C/2.16 kg)	g/10 min	ISO 1133	1.8
Density	g /cm³	ISO 1183	0.90
Flexural modulus (1 mm/min)	MPa	ISO 527-2	850
Tensile stress at yield (50 mm/min)	MPa	ISO 527-2	25
Tensile strain at yield (50 mm/min)	%	ISO 527-2	14
Tensile strain at break (50 mm/min)	%	ISO 527-2	>50
Charpy notched impact strength (+23°C)	kJ/m²	ISO 179/1eA	12
Charpy notched impact strength (0°C)	kJ/m²	ISO 179/1eA	3.5
Heat Deflection Temperature (0.45 MPa)	°C	ISO 75-2	68
Vicat Softening Temperature	°C	ISO 306	135

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

Prcessing Guidlines

The Typical Processing Conditions for Luban RP7204G are:

Average Extrusion Temperatures 180 – 230 °C
Recommended Melt Temperature 210 – 220 °C

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Storage and Handling

Luban RP7204G 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 RP7204G 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 RP7204G 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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