



Luban RP7248G

Polypropylene Random Copolymer

Description

Luban RP7248G is manufactured using the Spheripol Technology. Luban RP7248G is a clarified polypropylene random copolymer for extrusion applications. Luban RP7248G offers high transparency and medium stiffness.

Applications

Extrusion Blow Molding, Sheet, Thermoforming.

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 /cm ³	ISO 1183	0.90
Tensile modulus (1 mm/min)	MPa	ISO 527-2	1100
Tensile stress at yield (50 mm/min)	MPa	ISO 527-2	30
Tensile strain at yield (50 mm/min)	%	ISO 527-2	13
Tensile strain at break (50 mm/min)	%	ISO 527-2	> 50
Charpy notched impact strength (+23°C)	kJ/m ²	ISO 179/1eA	28
Charpy notched impact strength (0°C)	kJ/m ²	ISO 179/1eA	2.5
Heat Deflection Temperature (0.45 MPa)	°C	ISO 75-B	80
Haze, (1 mm - injection molded disc)	%	ASTM D1003	11
Vicat Softening Temperature (10N)	°C	ISO 306-A	130

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 RP7248G are:

Melt temperature	190 – 230 °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.

This document is classified as "Confidential" information, Please share this information on a "Need-to-Know" basis.



Luban RP7248G

Polypropylene Random Copolymer

Storage and Handling

Luban RP7248G 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 RP7248G 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 RP7248G 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.

Updated: June 2025

Disclaimer:

Values given here are typical and should not be interpreted as specification. Before using OQ product, customers and other users should make their own independent determination that the product is suitable for the intended use. This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose. In addition, no immunity under OQ or third parties' intellectual property rights shall be implied from this document. No one is authorized to make any warranties, issue any immunities or assume any liabilities on behalf of OQ except in a writing signed by an authorized OQ employee. Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or refund of the purchase price at OQ's option, and in no event shall OQ be liable for special, consequential, incidental, punitive or exemplary damages.

This document is classified as "Confidential" information, Please share this information on a "Need-to-Know" basis.

OQ head office
PO Box 281, PO 118
Muscat Grand Mall
Muscat, Sultanate of Oman
www.oq.com

أوكيو المكتب الرئيسي
صندوق بريد ٢٨١، الرمز البريدي ١١
مسقط جرانند مول
سلطنة عمان، مسقط
www.oq.com