Luban RP6207B
Polypropylene Random Copolymer

Description

Luban RP6270B is manufactured using the Spheripol Technology. Luban RP6270B is a high molecular weight polypropylene random copolymer in natural color. The grade possesses high melt viscosity for extrusion, and high heat and extraction stability. Typical customer applications are industrial pipe, heating and cooling plumbing.

Application

Hot and cold-water pipes and fittings Industrial pipes, plumbing pipes.

Properties (Typical Values)

Property	Units	Test method	Value
Melt flow rate (230°C/2.16 kg)	g/10 min	ASTM D1238	0.3
Density	g /cm³	ASTM D792	0.90
Flexural Modulus	MPa	ASTM D790	950
Tensile stress at yield	MPa	ASTM D638	27
Tensile strain at yield	%	ASTM D638	10
Izod notched impact strength (+23°C)	J/m	ASTM D256	230
Heat Deflection Temperature (0.46 N/mm²)	°C	ASTM D256	83
Vicat Softening Temperature	°C	ISO 306-A	134

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

Processing Guidlines

The Typical Processing Conditions for Luban RP6207B are:

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

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Storage and Handling

Luban RP6207B 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 RP6207B 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 RP6207B 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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