



Luban RP6207B (PA14D) Polypropylene Random Copolymer



Description

Luban RP6270B is 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

Industrial pipes, plumbing pipes, hot and cold water pipes and fittings

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 /cm ³	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/mm ²)	°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 Guidelines

The Typical Processing Conditions for Luban RP6207B are:

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

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 RP6207B 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 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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