

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PB 130 G1M

ISPLEN® PB 130 G1M is a heterophasic copolymer with high molecular weight designed for injection moulding applications where extremely high impact, even at low temperatures, is necessary in addition with good processability. Among other technical advantages, ISPLEN® PB 130 G1M offers:

- Production of articles with extra high toughness as a main requirement.
- Good stiffness.
- Because of its better stackability and stress cracking resistance, it can replace HDPE.

TYPICAL APPLICATIONS

ISPLEN® PB 130 G1M is particularly intended for articles which primary requirement is very high toughness: industrial handling or packaging, houseware and garden containers, luggage, toolboxes, professional organizers and maintenance systems, pallets, crates and disposal containers. Also is suitable for technical components: toys, sports (bikes or sky equipment), leisure goods, automotive, fittings for pressure/non pressure pipes, parts of domestic appliances, etc.

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	1.3	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1050	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	16	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	77	°C	ISO 75
Others			
Shore Hardness	60	D Scale	ISO 868

ISPLEN® PB 130 G1M complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN® PB 130 G1M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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