

Isplen® Polypropylene



Chemicals

Technical data sheet

ISPLEN® PB 140 G2M

ISPLEN® PB 140 G2M is a heterophasic copolymer with medium-low fluidity designed for injection moulding applications where very high impact properties, even at low temperatures, is necessary combined with good procesability. Among other technical advantages, ISPLEN® PB 140 G2M offers:

- Production of items exposed to heavy loads that needs high toughness.
- Good flow properties enable to fill complex moulds.

TYPICAL APPLICATIONS

Due to its excellent balance of properties some of the major applications of ISPLEN® PB 140 G2M are consumer goods as industrial handling or packaging containers, housewares and indoor furniture, suitcases and boxes with living hinge (i.e. tool boxes). Also is suitable for technical components: toys, sports equipment, leisure goods, automotive, pallets, crates and pails.

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)	3.5	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1100	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	12	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	74	°C	ISO 75
Others			
Shore Hardness	60	D Scale	ISO 868

ISPLEN® PB 140 G2M 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 140 G2M 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.

November 2013