

## ISPLEN<sup>®</sup> PB 140 G2M

ISPLEN<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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 |
|--------------------------------------|-------|-------------------|-------------|
| <b>General</b>                       |       |                   |             |
| Melt Flow Rate (230 °C; 2.16 kg)     | 3.5   | g/10 min          | ISO 1133    |
| Density                              | 905   | kg/m <sup>3</sup> | ISO 1183    |
| <b>Mechanical</b>                    |       |                   |             |
| Flexural Modulus                     | 1100  | MPa               | ISO 178     |
| Charpy Impact Strength Notched 23 °C | 12    | kJ/m <sup>2</sup> | ISO 179     |
| <b>Thermal</b>                       |       |                   |             |
| Heat Deflection Temperature 0.45MPa  | 74    | °C                | ISO 75      |
| <b>Others</b>                        |       |                   |             |
| Shore Hardness                       | 60    | D Scale           | ISO 868     |

ISPLEN<sup>®</sup> 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<sup>®</sup> 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.

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