

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PB 170 G2M

ISPLEN® PB 170 G2M is a medium-high fluidity heterophasic copolymer characterised by its good balance of properties. Its molecular structure determines low viscosity and very good flow that permits to fill complex or large moulds with long flow paths obtaining short cycle times and an excellent balance of impact strength and high stiffness to allow the manufacturing of thin-walled articles with good mechanical resistance.

TYPICAL APPLICATIONS

The particular characteristics of ISPLEN® PB 170 G2M offer a multi-purpose grade intended for use in applications in which high mechanical properties are appreciated in addition with good processability:

- Domestic and leisure furniture.
- Square boxes and round storage containers for consumer appliances.
- Lids, caps and closures.
- Industrial components: toys, sports, leisure, automotive, storage organizers, packaging...

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)	12	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1200	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	8	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	85	°C	ISO 75
Others			
Shore Hardness	62	D Scale	ISO 868

ISPLEN® PB 170 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 170 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