

Isplen® Polypropylene

Chemicals
Technical data sheet


ISPLEN® PC270BS

ISPLEN® PC270BS is a homopolymer compound charged with 20% mineral fillers and medium melt flow rate. It shows high stiffness, low warpage and shrinkage behaviour, good aesthetic properties and high gloss surface.

APPLICATIONS

Aesthetic applications which require good gloss surface.

- Hygienic product.
- Adhesive backed hook and loop fasteners.
- Electrodomeistical appliances.

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

PROPERTIES	VALUE	UNIT	METHOD
General			
Melt flow rate (230°C/2.16Kg)	12	g/10min	ISO 1133
Density at 23°C	1,040	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	1,800	MPa	ISO 178
Charpy impact strength (23°C, notched)	2.3	kJ/m ²	ISO 179
Charpy impact strength (0°C, unnotched)	31	kJ/m ²	ISO 179
Charpy impact strength (-20°C, unnotched)	28	kJ/m ²	ISO 179
Tensile strength at break	19	MPa	ISO 527-2
Tensile modulus of elasticity	1,850	MPa	ISO 527
Thermal			
Vicat softening temperature A120 (10N)	155	°C	ISO 306
Vicat softening temperature A120 (50N)	99	°C	ISO 306
Others			
Moulding shrinkage (S _{MP} /S _{MN})	0.9 / 1.0	%	ISO 294-4

STORAGE

ISPLEN® PC270BS should be stored in dry atmosphere paved, drained and not flooded area at temperatures under 60 °C and protected from UV radiation. Storage under improper conditions could trigger off degradation processes, negatively influencing processability and properties of the transformed product.

November 2013

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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