

Isplen® Polypropylene

Chemicals
Technical data sheet


ISPLEN® PC270AV

ISPLEN® PC270AV is a homopolymer compound with 25% calcium carbonate, high melt flow rate. It shows good impact strength, medium rigidity, high stiffness, low warpage and low shrinkage behaviour. This product is UV stabilised and antistatic formulated.

APPLICATIONS

Aesthetic applications which require good gloss surface.

- Garden furniture.
- Toys.
- Household.

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)	13.5	g/10min	ISO 1133
Density at 23°C	1,040	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	2,000	MPa	ISO 178
Izod impact strength (23°C, notched)	2.7	kJ/m ²	ISO 180
Izod impact strength (0°C, notched)	2	kJ/m ²	ISO 180
Thermal			
Vicat softening temperature A120 (10N)	153	°C	ISO 306
Vicat softening temperature A120 (50N)	95	°C	ISO 306
Others			
Moulding shrinkage (S _{MP} /S _{MN})	1.00 / 1.50	%	ISO 294-4

STORAGE

ISPLEN® PC270AV 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.

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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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