

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PG370 AS

DESCRIPTION

Polypropylene homopolymer, 30% chemically coupled fiber glass reinforced compound.

ISPLEN® PG370 AS shows a very high stiffness, keeping good impact strength at every range of temperatures. It also shows a low warpage and shrinkage behaviour.

APPLICATIONS

- Automotive: Under the bonnet parts subjected to severe mechanical stresses.
- Electrical housings, power tools.
- Technical pieces, in general.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230°C, 2.16 kg)	12.5	g/10 min	ISO 1133
Density at 23°C	1.14	g/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	5800	MPa	ISO 178
Tensile strength at Break	88	MPa	ISO 527-2
Elongation at Break	4	%	ISO 527-2
Izod impact strength (23°C, notched / unnotched)	10 / 55	kJ/m ²	ISO 180
Izod impact strength (0°C, notched / unnotched)	8 / 45	kJ/m ²	ISO 180
Thermal			
Vicat (10N, 120°/h)	163	°C	ISO 306
Vicat (50N, 120°/h)	133	°C	ISO 306
HDT 0,45 MPa	158	°C	ISO 75
HDT 1,8 MPa	140	°C	ISO 75
Other			
Shore hardness D 15s	78	°Shore	ISO 868
Shrinkage, 150x100x3mm	0.3-0.6	%	ISO 2577

STORAGE

ISPLEN® PG370 AS 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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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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