

REPSOL ISPLEN PG370AT

REPSOL ISPLEN PG370AT polypropylene homopolymer, 30% chemically coupled fiber glass reinforced compound. It 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 (Light housings, heat and ventilation housings, filters)
- Technical parts, in general.
- Electrical housings, power tools
- Washing machines cylinders

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimized 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 at 23°C	1130	kg/m ³	ISO 1183
MECHANICAL			
Flexural modulus of elasticity	5650	MPa	ISO 178
Charpy impact strength (23°C, notched)	9	kJ/m ²	ISO 180
Charpy impact strength (-20°C, notched)	8	kJ/m ²	ISO 180
Izod impact strength (23°C, notched)	10	kJ/m ²	ISO 180
Izod impact strength (-20°C, notched)	8	kJ/m ²	ISO 180
OTHER			
Vicat Softening Temperature B120 (50N)	132	°C	ISO 306
HDT 0,45 MPa	158	°C	ISO 75

Storage

REPSOL ISPLEN PG370AT 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 or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

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Disclaimer

This grade does not comply with the European regulations for materials for use in contact with food, nor is it intended to be used in medical, pharmaceutical, or health applications, so Repsol does not authorize its use in them.

Repsol does not grant express or implicit guarantees that extend beyond the description contained herein. Nothing herein shall constitute any guarantee of merchantability or fitness for a particular purpose. Before using a product sold by Repsol, users must make their own independent determination that the product is safe, legal, and technically suitable for its intended use. Repsol does not assume any responsibility for the use of its materials together with other materials.

Related documents

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety data sheet

Recommended consumption period: 12 months from the raw material reception

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