

## REPSOL ISPLEN PG182AS

REPSOL ISPLEN PG182AS is a polypropylene copolymer, 10% chemically coupled fiberglass reinforced compound. It shows a high stiffness, keeping good impact strength at every range of temperatures. It also shows a low warpage and shrinkage behavior.

### Applications

- Technical pieces in general.
- Automotive and structural parts.
- Garden furniture.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>GENERAL</b>			
Melt flow rate (230°C/ 2,16 kg)	15	g/10 min	ISO 1133
Density at 23°C	960	kg/m <sup>3</sup>	ISO 1183
<b>MECHANICAL</b>			
Flexural modulus of elasticity	2500	MPa	ISO 178
Charpy impact strength (23°C, notched)	9.8	kJ/m <sup>2</sup>	ISO 179
Charpy impact strength (-20°C, notched)	7.9	kJ/m <sup>2</sup>	ISO 179
Izod impact strength (23°C, notched)	12	kJ/m <sup>2</sup>	ISO 180
Izod impact strength (-20°C, notched)	10	kJ/m <sup>2</sup>	ISO 180
<b>OTHERS</b>			
HDT (0.45 MPa)	155	MPa	ISO 75

### Storage

REPSOL ISPLEN PG182AS 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

February 2023

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