

REPSOL ISPLEN PP040G1E

The grade REPSOL ISPLEN PP040G1E is a phthalate free medium melt flow rate homopolymer offering optimal processability and mechanical properties for raffia and monofilament fibers. The grade includes thermal stabilizers to protect the polymer during processing and handling.

Applications

- Especially designed for raffia applications and monofilament and weaving tapes
- Thermoforming and sheet profiles
- Others are monofilament and weaving tapes

Recommended melt temperatures range between 190 and 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)	3	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
MECHANICAL			
Flexural Modulus	1600	MPa	ISO 178
Tensile Strength at Yield	35	MPa	ISO 527-2
THERMAL			
Vicat (9.8 N)	155	°C	ISO 306
HDT (0.45 MPa)	95	°C	ISO 75

Storage

REPSOL ISPLEN PP040G1E 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.

Disclaimer

This grade complies with the European regulations for materials for use in food contact. This grade is not intended to be used in medical, pharmaceutical, or healthcare applications, therefore 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.

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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
- Statement on compliance with food contact regulations

Recommended consumption period: 12 months from the raw material reception

December 2021

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