TECHNICAL DATA SHEET

Repsol Isplen® PP064W1F

The grade REPSOL ISPLEN PP064W1F is a phthalate free polypropylene homopolymer designed for cast film applications. It is suitable for the manufacturing of non-oriented films with very good optical properties and high stiffness.

This grade does not contain technical additives, such as slip or antiblocking agents, and it is calcium stearate free.

Applications:

Extrusion and/or co-extrusion of non-oriented film, such as cast film or tubular quench, addressed to:

- Food packaging
- Stationery film
- Flower packaging
- Metallizable cast film

Recommended melt temperature range from 190 to 250ºC. Processing conditions should be optimized for each production line.

Properties:

Properties	Value	Unit	Test Method
General			
Melt Flow Rate (230ºC/2.16 kg)	9	g/10 min	ISO 1133
Density at 23ºC	905	kg/m^3	ISO 1183
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile strength at yield	38	MPa	ISO 527-2
Elongation at yield	8	%	ISO 527-2
Tensile strength at break	22	MPa	ISO 527-2
Elongation at break	170	%	ISO 527-2
Charpy Impact Strength Notched 23 °C	4	kJ/m^2	ISO 179
Thermal			
Melting Temperature	165	°C	ISO 11357-3
HDT (0.45 MPa)	90	°C	ISO 75
VICAT, 10 N	155	°C	ISO 306

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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Storage:

REPSOL ISPLEN PP064W1F should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60ºC 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.

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 date of delivery to the customer.

May 2026

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