

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP064W1F

DESCRIPTION

ISPLEN® PP 064 W1F is a homopolymer polypropylene with medium melt flow rate. This product does not contain slip, antiblock additives neither Ca-stearate. The product is suitable for metallizable film. Its structural characteristics and specific additivation make its processability and rheological properties especially suitable (pure or blended) for film transformation in high-speed equipment. It is specially indicated for non-oriented film extrusion and provides excellent optical, mechanical and barrier properties. Excellent metal adhesion.

TYPICAL APPLICATIONS

Non oriented film extrusion processes, cast or tubular quench, such as:

- Metallizable cast film.
- Core-layer in co-extruded cast films
- Packaging of foodstuffs and non-food stuffs
- Stationery and textile packaging

Recommended melt temperature range from 190 - 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	9	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	4	kJ/m ²	ISO 179
Thermal			
Melting Temperature	165	°C	ISO 11357-3
VICAT (10N)	138	°C	ISO 306
Heat Deflection Temperature (0.45MPa)	70	°C	ISO 75

ISPLEN® PP 064 W1F complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN® PP 064 W1F 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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