

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP064S1F

ISPLEN® PP 064 S1F is a homopolymer polypropylene with medium melt flow rate. Its specific formulation (antiblocking, slip and antistatic) makes its procesability and rheological properties particularly suitable (pure or blended) for film transformation in high speed equipment. Films prepared with ISPLEN® PP 064 S1F have high mechanical properties, and are normally used for packaging (foodstuffs, textiles, stationery, organizational office aids, etc.).

It is specially indicated for non-oriented film extrusion and has excellent optical, mechanical and barrier properties.

TYPICAL APPLICATIONS

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

- Single layer film
- Internal layers of 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 S1F 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 S1F 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.

November 2013

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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