

Isplen® Polypropylene

Chemicals
Technical data sheet


ISPLEN® PR264M1F

DESCRIPTION

ISPLEN® PR 264 M1F is a polypropylene random copolymer with medium melt flow rate. Its specific formulation (antiblocking and slip agents) makes its procesability and rheological properties particularly suitable (pure or blended) for film application. Any antiestatic additive neither additive with SML (Food contact CE/2002/72) are included in its formulation.

Films prepared with ISPLEN® PR 264 M1F have both excellent optical properties and mechanical properties, and is normally used for packaging (foodstuffs, textiles, stationery, organizational office aids, flowers). In co-extrusion or lamination it gives the film good heat-sealing characteristics.

It can be also used for injection moulding applications in which high mechanical properties are required.

TYPICAL APPLICATIONS

In applications requiring high transparency and gloss:

- Extrusion and/or Co-extrusion
- Non-oriented film, Cast-film
- Tubular quench
- For injection moulding applications, like caps and closures.

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	950	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	6	kJ/m ²	ISO 179
Thermal			
VICAT (10N)	138	°C	ISO 306
Heat Deflection Temperature (0.45MPa)	70	°C	ISO 75

ISPLEN® PR 264 M1F 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® PR 264 M1F 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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