

# ISPLEN® PR 264 M1F

Polypropylene Random Copolymer  
REPSOL

Message:

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.

General Information	
Additive	Antiblock
	Slip
Features	Antiblocking
	Food Contact Acceptable
	Medium Flow
	Opticals
	Slip
Uses	Caps
	Cast Film
	Closures
	Film
	Food Packaging
	Laminates
	Non-oriented Film
	Packaging
Agency Ratings	EU 2002/72/EC
	EU Food Contact, Unspecified Rating
Processing Method	Cast Film
	Coextrusion
	Extrusion
	Film Extrusion

## Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Vicat Softening Temperature	138	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 250	°C	

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### Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

