

ISPLEN® PR 264 G1F

Polypropylene Random Copolymer
REPSOL

Message:

ISPLEN® PR 264 G1F is a polypropylene random copolymer with medium melt flow rate propylene-ethylene random copolymer. Films prepared with ISPLEN® PR 264 G1F 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 easily coloured during the extrusion process using the right pigments, preferably in the form of concentrates with a higher melt flow rate than that of the base polymer.

TYPICAL APPLICATIONS

In applications requiring high transparency and gloss:

Extrusion and/or Co-extrusion

Non-oriented film, Cast-film

Tubular quench

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

General Information			
Features	Food Contact Acceptable		
	Good Colorability		
	Good Heat Seal		
	Medium Flow		
	Opticals		
Uses	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Non-oriented Film		
	Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Cast Film		
	Coextrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	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/m²	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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