

ISPLEN® PP 064 S1F

Polypropylene Homopolymer
REPSOL

Message:

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.

General Information			
Features	Antiblocking		
	Antistatic		
	Barrier Resin		
	Food Contact Acceptable		
	Good Processability		
	Medium Flow		
	Opticals		
	Slip		
Uses	Cast Film		
	Film		
	Food Packaging		
	Packaging		
	Stationary Supplies		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Cast Film		
	Coextrusion		
	Film 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	1500	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	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
Melting Temperature	165	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 250	°C	

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