

ISPLEN® PP 050 Y1E

Polypropylene Homopolymer
REPSOL

Message:

ISPLEN® PP 050 Y1E is a medium melt flow rate polypropylene homopolymer with a molecular weight distribution which provides optimum balance between processing and mechanical properties in the latest generation staple fiber lines. It includes a specific formulation resistant to "gas fading" coloration, suitable for protecting the polymer during extrusion process and final use.

TYPICAL APPLICATIONS

Specially recommended for staple fibre and multifilament extrusion in high speed equipment.

Suitable for tapes and monofilament

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

General Information			
Additive	Anti-gas fading		
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Good Processability		
	Medium Flow		
Uses	Monofilaments		
	Staple Fibers		
	Tape		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.6	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	35.0	MPa	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 250	°C	

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Recommended distributors for this material

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