

ISPLEN® PP 040 G1E

Polypropylene Homopolymer
REPSOL

Message:

ISPLEN® PP 040 G1E is a medium-low melt flow rate polypropylene homopolymer. It offers a good balance between mechanical and processing properties for production of tapes. It is formulated with an additive package suitable for protecting the polymer during extrusion process and final use.

TYPICAL APPLICATIONS

Low fibrillation tapes for textil uses

Monofilaments and tapes for ropes and twines

Sheet extrusion and thermoforming

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

General Information	
Additive	Processing Stabilizer
Features	Food Contact Acceptable
	Medium Flow
Uses	Monofilaments
	Rope
	Sheet
	Tape
	Twine
Agency Ratings	EU Food Contact, Unspecified Rating
Processing Method	Filament Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	35.0	MPa	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	91.0	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 250	°C	

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Recommended distributors for this material

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