

ISPLEN® PP 020 G3E

Polypropylene Homopolymer
REPSOL

Message:

ISPLEN® PP 020 G3E is a low melt flow rate polypropylene homopolymer with a reinforced formulation of thermal stabilization suitable for protecting the polymer during extrusion process and final use. His crystalline structure gives a good balance between stiffness and tensile strength resistance.

TYPICAL APPLICATIONS

High tenacity strapping

Boards and Sheet extrusion

Profiles

Blow molding

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

General Information			
Features	Crystalline		
	Food Contact Acceptable		
	Good Stiffness		
	Heat Stabilized		
	High Tensile Strength		
	Low Flow		
Uses	Blow Molding Applications		
	Profiles		
	Sheet		
	Strapping		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Blow Molding		
	Extrusion		
	Profile Extrusion		
	Sheet 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)	0.91	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	151	°C	ISO 306/A

Extrusion	Nominal Value	Unit
Melt Temperature	190 to 250	°C

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