

# ISPLEN® PP 020 G3E

Polypropylene Homopolymer  
REPSOL

PROSPECTOR®

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## Technical Data

### Product Description

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. Its 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

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Processing - Injection Molding (English)</a> • <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">REPSOL</a>
Availability	• Europe • North America
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 (English)	Nominal Value (SI)	Test Method
Density	0.905 g/cm <sup>3</sup>	0.905 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.91 g/10 min	0.91 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	4930 psi	34.0 MPa	ISO 527-2
Flexural Modulus	174000 psi	1200 MPa	ISO 178
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	194 °F	90.0 °C	ISO 75-2/B
Vicat Softening Temperature	304 °F	151 °C	ISO 306/A
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	374 to 482 °F	190 to 250 °C	

### Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

