



ISPLEN® PP 031 G1E

ISPLEN® PP 031 G1E is a medium-low melt flow rate polypropylene homopolymer. It offers an optimum balance between mechanical and processing properties for production of monofilaments and tapes with high tensile strength at break. It is formulated with an additive package suitable for protecting the polymer during extrusion process and final use.

TYPICAL APPLICATIONS

- High tenacity monofilaments and tapes for ropes and twines
- Low fibrillation tapes for textil uses
- Strap
- Sheet extrusion

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

PROPERTIES	VALUE	UNITY	METHOD
General			
Melt Flow Rate (230°C/2.16 kg)	2	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1400	MPa	ISO 178
Tensile Strength at Yield	35	MPa	ISO 527-2
Izod Impact Strength (Notched, 23°C)	5	kJ/m ²	ISO180
Thermal			
Vicat (9.8 N)	152	°C	ISO 306
HDT (0.45 MPa)	90	°C	ISO 75

ISPLEN® PP 031 G1E complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN® PP 031 G1E should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

June 2013

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 348 86 00
Fax: +34 91 530 45 17
atdpo@repsol.com

Headquarters:
Pº de la Castellana, 280
28046 Madrid
Spain
Tel. +34 91 348 29 56
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com

ISPLEN[®]
Polypropylene**Chemicals**

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 348 86 00
Fax: +34 91 530 45 17
atdpo@repsol.com

Headquarters:
Pº de la Castellana, 280
28046 Madrid
Spain
Tel. +34 91 348 29 56
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com