

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP045G1E

DESCRIPTION

ISPLEN® PP 045 G1E is a medium melt flow rate polypropylene homopolymer. It offers excellent processing properties for production of tapes and monofilaments. 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
- Extrusion general uses

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

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt flow rate (230°C/2.16 kg)	4	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus	1450	MPa	ISO 178
Tensile Strength at Yield	35	kJ/m ²	ISO 527-2
Thermal			
Vicat (9.8N)	153	°C	ISO 306
HDT 0.45MPa	91	°C	ISO 75

ISPLEN® PP 045 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 045 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.

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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.

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