

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP050Y1E

DESCRIPTION

ISPLEN® PP 050 Y1E is a medium melt flow rate polypropylene homopolymer with a molecular weight distribution which provides optimum balance between processing and mechanical properties in the latest generation staple fiber lines. It includes a specific formulation resistant to “gas fading” coloration, suitable for protecting the polymer during extrusion process and final use.

TYPICAL APPLICATIONS

- Specially recommended for staple fibre and multifilament extrusion in high speed equipment.
- Suitable for tapes and monofilament

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)	5.6	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus	1,500	MPa	ISO 178
Tensile Strength at Yield	35	kJ/m ²	ISO 527-2
Thermal			
HDT 0.45MPa	85	°C	ISO 75

ISPLEN® PP 050 Y1E 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 050 Y1E 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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