

Isplen® Polypropylene

Chemicals
Technical data sheet


ISPLEN® PP040C1E

DESCRIPTION

ISPLEN® PP040C1E is a medium melt flow rate homopolymer specially formulated and adapted for extrusion processes and particularly in thermoforming due to its high transparency and high stiffness.

It is nucleated and the properties remain even at high regrind fractions. This makes the grade recommendable in barrier sheet packing application.

APPLICATIONS

In extrusion processes such as:

- Mainly in sheet extrusion and thermoforming.
- Coextrusion in rigid packaging.
- Others are monofilament and weaving tapes.

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)	3.0	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus	1,800	MPa	ISO 178
Charpy impact strength (23°C, notched)	3.5	kJ/m ²	ISO 179
Thermal			
Vicat softening temperature A120 (10 N)	153	°C	ISO 306
HDT 0.45MPa	90	°C	ISO 75
Others			
Haze (1 mm)	21	%	ASTM D 1003

ISPLEN® PP040C1E 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® PP040C1E 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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