

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP086U6E

DESCRIPTION

ISPLEN® PP 086 U6E is a high melt flow rate polypropylene homopolymer with narrow molecular weight distribution which provides optimum processing in fibre lines of high speed (BCF/CF and spunbond). It includes a specific formulation resistant to “gas fading” coloration, suitable for protecting the polymer during extrusion process and final use. Moreover, it contains additives to increase the resistance to UV radiation.

TYPICAL APPLICATIONS

- Indicated for the extrusion of staple fibre and BCF/CF in lines of high speed.
- Specially recommended for technical nonwovens in spunbond lines.

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)	25	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1600	MPa	ISO 178
Tensile Strength at Yield	36	kJ/m ²	ISO 179
Thermal			
VICAT (9.8N)	153	°C	ISO 306
Heat Deflection Temperature (0.45MPa)	90	°C	ISO 75

ISPLEN® PP 086 U6E 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 086 U6E 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.

November 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 91 753 86 00
atd_poliiolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com