



## ISPLEN® PP086Y3E

**ISPLEN® PP086Y3E** is a high melt flow rate polypropylene homopolymer with a very narrow molecular weight distribution which provides optimum processing in fibre lines of high speed (BCF/CF and spunbond). In addition, the new conditions in production process offer the maximum quality and consistency of the product. Moreover, it has two outstanding characteristics: the rigorous gels control during production and specific formulation resistant to "Gas Fading" coloration protect the polymer during extrusion process and final use.

### TYPICAL APPLICATIONS

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

### PROCESSING ADVANTAGES

- Processing this product in suitable conditions allows increasing filaments tenacity up to 10% respect to conventional grades. This leads to savings in material costs and the improvement of finished product properties.
- Easier processing of this product compared with standard material allows manufacturing fibres with fine deniers, which provides softer touch to the final textile.
- The continued use of this product reduces the costs of maintenance associated to the cleaning of spinning and head, and increase the machine availability.

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

PROPERTIES	VALUE	UNITY	METHOD
<b>General</b>			
Melt Flow Rate (230°C/2.16 kg)	25	g/10 min	ISO 1133
Density	905	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1600	MPa	ISO 178
Tensile Strength at Yield	36	MPa	ISO 527-2
<b>Thermal</b>			
Vicat (9.8 N)	153	°C	ISO 306
HDT (0.45 MPa)	90	°C	ISO 75

ISPLEN® PP086Y3E 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® PP086Y3E 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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