# PP REPSOL ISPLEN PP089Y1E

The grade REPSOL ISPLEN PP089Y1E is a high melt flow rate polypropylene homopolymer with narrow molecular weight distribution which provides optimum processing in fibre lines of high speed and large production capacity (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.

## Applications

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

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

| PROPERTIES | VALUE | UNIT | TEST METHOD |
|---|---|---|---|
| **General** | | | |
| Melt Flow Rate (230 °C; 2.16 kg) | 31 | g/10 min | ISO 1133 |
| Density | 905 | kg/m$^3$ | ISO 1183 |
| **Mechanical** | | | |
| Flexural Modulus | 1.650 | MPa | ISO 178 |
| Tensile Strength at Yield | 36 | MPa | ISO 179 |
| **Thermal** | | | |
| VICAT, 10N | 153 | ºC | ISO 306 |
| Heat Deflection Temperature 0.45MPa | 90 | °C | ISO 75 |

REPSOL ISPLEN PP089Y1E complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

## Storage

REPSOL ISPLEN PP089Y1E should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60ºC and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and 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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