

# ISPLEN® PP 086 U6E

Polypropylene Homopolymer

REPSOL

## Message:

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.

General Information			
Additive	Anti-gas fading		
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Good UV Resistance		
	High Flow		
	Narrow Molecular Weight Distribution		
Uses	BCF Multifilaments		
	Nonwovens		
	Spunbond Nonwovens		
	Staple Fibers		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	36.0	MPa	ISO 527-2
Flexural Modulus	1600	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 250	°C	

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Recommended distributors for this material

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