



## ISPLEN® PP 080 Y1E

REPSOL YPF - Polypropylene Homopolymer

Wednesday, February 18, 2009

### General Information

#### Product Description

ISPLEN® PP 080 Y1E is a high melt flow rate polypropylene homopolymer with a specific formulation resistant to gas fading coloration, compatible with any other that the transformer may wish to add, and which guarantees stability of the polymer under normal processing and use conditions. It has a standard molecular weight distribution.

ISPLEN® PP 080 Y1E is specially recommended for staple fibre and low-grade multifilament extrusion.

ISPLEN® PP 080 Y1E can be easily coloured during the extrusion process using the right pigments, preferably in the form of concentrates with a higher melt flow rate than that of the base polymer.

ISPLEN® PP 080 Y1E complies with FDA standards and European Directives regarding contact with foodstuffs.

#### General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Food Contact Acceptable • Gas-fading Resistant
Uses	• Filaments
Forms	• Pellets
Processing Method	• Extrusion

### ASTM and ISO Properties<sup>1</sup>

Physical	Nominal Value Unit	Test Method
Density	0.903 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 g/10 min	ISO 1133
Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Yield, Injection Molded)	36.0 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	6.0 %	ISO 527-2
Flexural Modulus (Injection Molded)	1600 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength (23°C)	3.00 kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		
0.45 MPa, Unannealed	92.0 °C	ISO 75-2/B
1.8 MPa, Unannealed	59.0 °C	ISO 75-2/A
Vicat Softening Temperature		
--	154 °C	ISO 306/A50
--	97.0 °C	ISO 306/B50

#### Additional Information

Melt Index, ISO 11357-3: 165°C

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.