

Technical Data Sheet

**REPSOL
YPF**

**ISPLEN®
POLYPROPYLENE**

ISPLEN® PM281 EV

Polypropylene copolymer, 20% mineral fillers reinforced and good melt flow rate.
ISPLEN PM281 EV was designed showing a high stiffness with a good impact resistance, and a low warpage and high shrinkage behaviour. It shows really good gloss surface and an excellent scratch resistance.

The product is UV stabilised.

APPLICATIONS

Automotive:

- Interior trims and panels.
- Technical pieces, in general.

VALUES

PPROPERTIES	METHOD	UNIT	VALUE
Physical properties			
MFR (230°C, 2.16Kg)	ISO 1133	g/10min	20.5
Density	ISO 1183	g/cm ³	1.06
Hardness Shore D, 15s	ISO 868	-	69
Mechanical properties			
Flexural modulus of elasticity	ISO 178	MPa	2200
Tensile strength at Yield	ISO 527-2	MPa	21
Izod Impact Strength 23 °C notched	ISO 180	KJ/m ²	4
0 °C notched	ISO 180	KJ/m ²	3.5
-40 °C notched	ISO 180	KJ/m ²	2
Thermal properties			
HDT 455 KPa	ISO 75	°C	103
HDT 1820 KPa	ISO 75	°C	55
Especificas			
Combustion rate	FTLM BO 116-03	mm/min	98
Fogging	ISO 3795/ASTM D635	-	98

STORAGE

ISPLEN® PM281 EV should be stored in a dry atmosphere paved, drained and not flooded area at temperatures under 60°C and protected from UV radiation. Storage under improper conditions could trigger off degradation processes, negatively influencing processability and the properties of the transformed product.

August 2003

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.

Head Offices:
P.º de la Castellana, 280
28046 Madrid
Spain
www.repsolypf.com/quimica
e-mail: quimica@repsolypf.com

TS & Development:
Tel.: +34 - 91 348 86 00
Fax.: +34 - 91 530 45 17
e-mail: atdquimica@repsolypf.com
Ctra. Nac. V, km 18
28931 Móstoles, Madrid
Spain

Customer Service in Europe:
UK, Ireland, Scandinavia:
France, Benelux:
Germany, Austria, Switzerland:
Italy:
Spain:
Portugal:
Other Countries:

Tel.: 44 - 20 7581 030 0
Tel.: 33 (0) 146 965 102
Tel.: 49 - 69 610 93 20
Tel.: 39 - 02 40 933 92 05
Tel.: 34 - 91 348 82 54
Tel.: 800 55 55 55 11
Tel.: 34 - 91 348 90 84

e-mail:
sac.uk@repsolypf.com
sac.france@repsolypf.com
sac.deutschland@repsolypf.com
sac.italy@repsolypf.com
sac.quimica@repsolypf.com
sac.portugal@repsolypf.com
sac.quimica@repsolypf.com