

# ISPLEN® PM 281 EV

Polypropylene Copolymer

REPSOL

## Message:

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.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Flow		
	Good Impact Resistance		
	High Gloss		
	High Shrinkage		
	High Stiffness		
	Low Warpage		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Interior Trim		
	Engineering Parts		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	2.0	kJ/m <sup>2</sup>	
0°C	3.5	kJ/m <sup>2</sup>	
23°C	4.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	103	°C	ISO 75-2/B

1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Burning Rate	98	mm/min	ISO 3795
Fogging	98	mm/min	FLTM BO 116-03

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

