

ISPLEN® PM 275 AW

Polypropylene Copolymer

REPSOL

Message:

Polypropylene copolymer compound, with 20% mineral fillers reinforced and medium melt flow rate.

ISPLEN® PM275 AW gives a good compromise between stiffness and impact strength, a low warpage and shrinkage behaviour. The product is high 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 Impact Resistance		
	Good Stiffness		
	Low Shrinkage		
	Low Warpage		
	Medium Flow		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Engineering Parts		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage ¹	1.0 to 1.1	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m ²	
0°C	5.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	70	kJ/m ²	
0°C	95	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	102	°C	ISO 75-2/B
1.8 MPa, Unannealed	58.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	146	°C	ISO 306/A120
--	71.0	°C	ISO 306/B120

NOTE

1. 150x100x3mm

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