

# ISPLEN® PM 750 AS

Polypropylene Homopolymer

REPSOL

## Message:

Polypropylene homopolymer, 55% mineral fillers reinforced and low melt flow rate.

ISPLEN® PM 750 AS shows a high stiffness, as well as a low warpage and shrinkage behaviour. This product is standard stabilised, able to be used in the main applications.

## APPLICATIONS

Automotive: Under the bonnet parts subjected to high thermal stress (Light housings, HVAC elements), AC inserts inside the car.

Electrical housings, power tools, sheets, washing machine cylinders.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral,55% Filler by Weight		
Additive	Unspecified Additive		
Features	High Stiffness		
	Low Flow		
	Low Shrinkage		
	Low Warpage		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Electrical Housing		
	Engineering Parts		
	Power/Other Tools		
	Sheet		
White Goods & Small Appliances			
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage <sup>1</sup>	0.43	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6650	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	24.0	MPa	
Break	30.0	MPa	
Tensile Strain			ISO 527-2
Yield	0.40	%	

Break	1.1	%	
Flexural Modulus	7300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	1.0	kJ/m <sup>2</sup>	
-20°C	1.0	kJ/m <sup>2</sup>	
0°C	1.0	kJ/m <sup>2</sup>	
23°C	1.5	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179
-40°C	5.5	kJ/m <sup>2</sup>	
-20°C	5.5	kJ/m <sup>2</sup>	
0°C	5.5	kJ/m <sup>2</sup>	
23°C	7.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	97.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	158	°C	ISO 306/A120
--	109	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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