

# ISPLEN® PM 250 BX

Polypropylene Homopolymer

REPSOL

## Message:

Polypropylene homopolymer, 20% mineral fillers reinforced and medium melt flow rate.

ISPLEN PM250 BX shows an improved high stiffness, as well as a low warpage and shrinkage behaviour. The product is high heat stabilised specially designed for being in contact with detergents.

## APPLICATIONS

Washing machines cylinders and others electrical appliances in contact with detergents.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Detergent Resistant		
	Heat Stabilized		
	High Stiffness		
	Low Shrinkage		
	Low Warpage		
Uses	Medium Flow		
	Appliance Components		
	Electrical/Electronic Applications		
	Engineering Parts		
	White Goods & Small Appliances		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ISO 1133
Molding Shrinkage <sup>1</sup>	1.0 to 1.5	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
0°C	2.4	kJ/m <sup>2</sup>	
23°C	3.3	kJ/m <sup>2</sup>	
Unnotched Izod Impact Strength			ISO 180

0°C	19	kJ/m <sup>2</sup>	
23°C	34	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	114	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A120
--	98.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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