

ISPLEN® PM 250 AX

Polypropylene Homopolymer

REPSOL

Message:

Polypropylene homopolymer, 20% mineral fillers reinforced and medium melt flow rate. ISPLEN PM250 AX shows a 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

Electrical appliances in contact with detergents.

Technical pieces, in general.

General Information	
Filler / Reinforcement	Mineral,20% Filler by Weight
Additive	Heat Stabilizer
Features	Heat Stabilized
	High Stiffness
	Low Shrinkage
	Low Warpage
	Medium Flow

Uses	Appliance Components
	Electrical/Electronic Applications
	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)	5.0	g/10 min	ISO 1133
Molding Shrinkage ¹	0.90 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	3.0	kJ/m ²	
23°C	3.5	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
0°C	20	kJ/m ²	
23°C	35	kJ/m ²	

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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