

ISPLEN® PM 360 AT

Polypropylene Homopolymer

REPSOL

Message:

Polypropylene homopolymer, 30% mineral fillers reinforced and high melt flow rate.

ISPLEN PM370 AV gives a good compromise between stiffness and impact strength, a low warpage and shrinkage behaviour.

This product is high heat stabilised.

APPLICATIONS

Automotive: Under the bonnet parts subjected to high thermal stress (Light housings, heat and ventilation ducts), air conditioning elements inside the car

White goods: components in washing machines.

Technical pieces, in general.

General Information	
Filler / Reinforcement	Mineral,30% Filler by Weight
Additive	Heat Stabilizer
Features	Good Impact Resistance
	Good Stiffness
	Heat Stabilized
	High Flow
	Low Shrinkage
	Low Warpage
Uses	Automotive Applications
	Automotive Under the Hood
	Engineering Parts
	White Goods & Small Appliances

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Molding Shrinkage ¹	0.60 to 0.90	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	74		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	32.0	MPa	
Break	24.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	19	%	

Flexural Modulus	3700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-20°C	1.6	kJ/m ²	
0°C	1.7	kJ/m ²	
23°C	2.3	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
-20°C	10	kJ/m ²	
0°C	12	kJ/m ²	
23°C	23	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	119	°C	ISO 75-2/B
1.8 MPa, Unannealed	69.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A120
--	100	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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