

ISPLEN® PM 370 AE

Polypropylene Homopolymer

REPSOL

Message:

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

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

This product is high heat stabilised.

APPLICATIONS

Electrical appliances.

Under the bonnet parts subjected to high thermal stress.

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	Appliances		
	Automotive Applications		
	Automotive Under the Hood		
	Electrical/Electronic Applications		
	Engineering Parts		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage ¹	0.50 to 0.70	%	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	3400	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	34.0	MPa	
Break	33.5	MPa	
Tensile Strain			ISO 527-2
Yield	3.0	%	

Break	4.0	%	
Flexural Modulus	3500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	1.4	kJ/m ²	
0°C	1.5	kJ/m ²	
23°C	2.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	12	kJ/m ²	
0°C	14	kJ/m ²	
23°C	23	kJ/m ²	
Notched Izod Impact Strength (23°C)	3.0	kJ/m ²	ISO 180
Unnotched Izod Impact Strength (23°C)	22	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	127	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	156	°C	ISO 306/A120
--	108	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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