

ISPLEN® PM 240 AT

Polypropylene Homopolymer

REPSOL

Message:

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

ISPLEN PM240 AT gives a high stiffness, and a low warpage and shrinkage behaviour. The product is high heat stabilised.

TYPICAL APPLICATIONS

Automotive:

Under the bonnet parts subjected to high thermal stress (Light housings, heat and ventilation ducts).

Air conditioning elements inside the car

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Stiffness		
	Low Flow		
	Low Shrinkage		
	Low Warpage		
Uses	Automotive Applications		
	Automotive Under the Hood		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	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)	76		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	35.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
0°C	3.3	kJ/m ²	
23°C	5.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
0°C	30	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	66.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A120
--	98.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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