

ISPLEN® PG 340 AT

Polypropylene Homopolymer

REPSOL

Message:

Polypropylene homopolymer, 30% chemically coupled fibber glass reinforced compound.

ISPLEN® PG340 AT shows a very high stiffness, keeping good impact strength at every range of temperatures. It also shows a low warpage and shrinkage behaviour. The product is high heat stabilised.

APPLICATIONS

Automotive: Under the bonnet parts subjected to severe mechanical stresses (light housings, heat and ventilation housings, filters).

Electrical housings, power tools.

Washing machines cylinders.

Technical pieces.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Good Impact Resistance		
	Heat Stabilized		
	High Stiffness		
	Low Shrinkage		
	Low Warpage		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Electrical Housing		
	Engineering Parts		
	Power/Other Tools		
	White Goods & Small Appliances		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Molding Shrinkage ¹	0.20 to 0.60	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	79		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	92.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	5800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180

-20°C	9.0	kJ/m ²	
23°C	12	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
-20°C	50	kJ/m ²	
23°C	56	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	159	°C	ISO 75-2/B
1.8 MPa, Unannealed	145	°C	ISO 75-2/A
Vicat Softening Temperature			
--	163	°C	ISO 306/A120
--	133	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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