

ISPLEN® PG 370 AS

Polypropylene Homopolymer

REPSOL

Message:

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

ISPLEN® PG370 AT shows a very high stiffness, keeping good impact strength at every range of temperatures. It also shows a low warpage and shrinkage behaviour.

APPLICATIONS

Automotive: Under the bonnet parts subjected to severe mechanical stresses.

Electrical housings, power tools.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Good Impact Resistance		
	High Stiffness		
	Low Shrinkage		
	Low Warpage		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Electrical Housing		
	Engineering Parts		
	Power/Other Tools		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage ¹	0.30 to 0.60	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	78		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	88.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	5800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
0°C	8.0	kJ/m ²	
23°C	10	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180

0°C	45	kJ/m ²	
23°C	55	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	158	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°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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