

# ISPLEN® PG 370 AT

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. The product is high heat stabilised.

## APPLICATIONS

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

Technical pieces, in general.

Electrical housings, power tools.

Washing machines cylinders.

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	1.14	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage <sup>1</sup>	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 <sup>2</sup>	
23°C	10	kJ/m <sup>2</sup>	
Unnotched Izod Impact Strength			ISO 180
0°C	45	kJ/m <sup>2</sup>	
23°C	55	kJ/m <sup>2</sup>	
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

