

ISPLEN® PC 372 AV

Polypropylene Copolymer

REPSOL

Message:

Polypropylene copolymer compound, with 30% calcium carbonate and high melt flow rate.

ISPLEN® PC372 AV shows good impact strength an a medium rigidity. It gives high stiffness, and a low warpage and shrinkage behaviour.

This product is UV stabilised an antistatic formulated.

APPLICATIONS

Aesthetic applications which require good gloss surface.

Garden furniture.

Toys.

Household.

General Information	
Filler / Reinforcement	Calcium Carbonate,30% Filler by Weight
Additive	Antistatic
	UV Stabilizer
Features	Antistatic
	Good Impact Resistance
	High Flow
	High Stiffness
	Low Shrinkage
	Low Warpage
	Medium Gloss
	Medium Rigidity
Uses	Furniture
	Household Goods
	Toys

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage ¹	0.90 to 1.1	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.5	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	1.3	kJ/m ²	
0°C	2.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	48	kJ/m ²	
0°C	58	kJ/m ²	
23°C	140	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	76.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	52.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	150	°C	ISO 306/A120
--	81.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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