

ISPLEN® PM 284 AS

Polypropylene Copolymer

REPSOL

Message:

Polypropylene copolymer 20% mineral fillers reinforced and high processability.

ISPLEN® PM284 AS shows high stiffness and good impact strength. It gives good aesthetic properties and high gloss surface.

The product has a standard stabilization, able to be used in the main applications.

APPLICATIONS

Electrical appliances and white line.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Unspecified Additive		
Features	Good Impact Resistance		
	Good Processability		
	Good Surface Finish		
	High Gloss		
	High Stiffness		
Uses	Appliances		
	Electrical/Electronic Applications		
	Engineering Parts		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage ¹	1.0 to 1.2	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	23.0	MPa	
Break	18.5	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	25	%	
Flexural Modulus	2250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-20°C	2.3	kJ/m ²	

0°C	2.8	kJ/m ²	
23°C	5.3	kJ/m ²	
Unnotched Izod Impact Strength (-20°C)	25	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	58.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	147	°C	ISO 306/A120
--	71.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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