

ISPLEN® PM 270 AV

Polypropylene Homopolymer

REPSOL

Message:

Polypropylene homopolymer, 20% mineral fillers reinforced and high melt flow rate.

ISPLEN® PM270 AV gives a high stiffness, and a low warpage and shrinkage behaviour. This product is UV stabilised.

APPLICATIONS

Automotive: Interior trims and panels.

Technical pieces, in general.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	UV Stabilizer		
Features	High Flow		
	High Stiffness		
	Low Shrinkage		
	Low Warpage		
Uses	Automotive Applications		
	Automotive Interior Trim		
	Engineering Parts		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage ¹	0.93 to 0.97	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	73		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	32.0	MPa	
Break	25.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	22	%	
Flexural Modulus	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	1.3	kJ/m ²	
-20°C	1.3	kJ/m ²	

0°C	1.4	kJ/m ²	
23°C	2.2	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-40°C	14	kJ/m ²	
-20°C	15	kJ/m ²	
0°C	15	kJ/m ²	
23°C	33	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	109	°C	ISO 75-2/B
1.8 MPa, Unannealed	66.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A120
--	95.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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