

ISPLEN® PM284 AV

Polypropylene Copolymer

REPSOL

Message:

Polypropylene copolymer, 20% mineral fillers reinforced and high processability.

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

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	Good Impact Resistance
	Good Processability
	Good Surface Finish
	High Gloss
	High Stiffness

Uses	Automotive Applications
	Automotive Interior Trim
	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	0.63 to 0.75	%	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	2000	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	24.0	MPa	
Break	19.5	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	22	%	
Flexural Modulus	2350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-20°C	1.8	kJ/m ²	
0°C	2.0	kJ/m ²	
23°C	3.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	25	kJ/m ²	
0°C	30	kJ/m ²	
23°C	50	kJ/m ²	
Notched Izod Impact Strength (23°C)	4.0	kJ/m ²	ISO 180
Unnotched Izod Impact Strength (23°C)	40	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	59.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A120
--	76.0	°C	ISO 306/B120
NOTE			
1.	150x100x3mm		

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