



ISPLEN® PM270 AV

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.

PROPERTIES	VALUE	UNIT	METHOD
General			
MFI (230°C, 2.16Kg)	12	g/10min	ISO 1133
Density	1,05	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	2600	MPa	ISO 178
Tensile Modulus of Elasticity	2400	MPa	ISO 527-2
Tensile Strength at Break	25	MPa	ISO 527-2
Elongation at Break	22	%	ISO 527-2
Tensile Strength at Yield	32	MPa	ISO 527-2
Elongation at Yield	5	%	ISO 527-2
Charpy Impact Strength	23 °C notched / unnotched	2,2 / 33	KJ/m ²
	0 °C notched / unnotched	1,4 / 15,3	KJ/m ²
	-20°C notched / unnotched	1,3 / 14,5	KJ/m ²
	-40°C notched / unnotched	1,3 / 13,5	KJ/m ²
Thermal			
Vicat (10N, 120°/h)	153	°C	ISO 306
Vicat (50N, 120°/h)	95	°C	ISO 306
HDT (T _R 0,45 MPa)	109	°C	ISO 75
HDT (T _R 1,8 MPa)	66	°C	ISO 75
Others			
Shore D Hardness, 15s	73	°Shore	ISO 868
Shrinkage, 150x100x3mm	0,93 – 0,97	%	ISO 2577

STORAGE

El ISPLEN® PM 270 AV should be stored in dry atmosphere paved, drained and not flooded area at temperatures under 60 °C and protected from UV radiation. Storage under improper conditions could trigger off degradation processes, negatively influencing processability and properties of the transformed product.

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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