



ISPLEN® PM270 XT

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

ISPLEN® PM270 XT gives a high stiffness, and a low warpage and shrinkage behaviour. The product is high heat stabilised specially designed for low odour emission applications.

APPLICATIONS

- Automotive: Under the bonnet parts subjected to high thermal stress (Light housings, heat and ventilation ducts).
- Air conditioning elements inside the car.
- Technical pieces, in general.

PROPERTIES		VALUE	UNIT	METHOD
General				
MFI (230°C, 2.16Kg)		12	g/10min	ISO 1133
Density		1,04	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 Yield		32	MPa	ISO 527-2
Elongation at Yield		5	%	ISO 527-2
Izod Impact Strength	23 °C notched / unnotched	2,7 / 30	KJ/m ²	ISO 180
	0 °C notched / unnotched	2 / 15	KJ/m ²	ISO 180
	-20°C notched / unnotched	1,5 / 10	KJ/m ²	ISO 180
Thermal				
Vicat (10N, 120°/h)		153	°C	ISO 306
Vicat (50N, 120°/h)		95	°C	ISO 306
HDT (T _H 0,45 MPa)		106	°C	ISO 75
HDT (T _H 1,8 MPa)		58	°C	ISO 75
Others				
Shore D Hardness, 15s		0,90 – 0,97	%	ISO 2577
Shrinkage, 150x100x3 mm		73	°Shore	ISO 868
Burning Rate		70	mm/min	VW TL1010
Total Carbon Emission		20	µg/g	VW PV3341
Fogging		0.7	mg	DIN 75201
Odor Emission		2,5 – 3,0	-	VW PV3900

STORAGE

El ISPLEN® PM 270 XT 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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