

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PM360 AT

Polypropylene homopolymer, 30% mineral fillers reinforced and high melt flow rate.

ISPLEN® PM360 AT gives a good compromise between stiffness and impact strength, a low warpage and shrinkage behaviour.

This product is high heat stabilised.

APPLICATIONS

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

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	9	g/10min	ISO 1133
Density	1,14	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	3700	MPa	ISO 178
Tensile Modulus of Elasticity	2800	MPa	ISO 527
Tensile Strength at Break	24	MPa	ISO 527-2
Elongation at Break	19	%	ISO 527-2
Tensile Strength at Yield	32	MPa	ISO 527-2
Elongation at Yield	4	%	ISO 527-2
Izod Impact Strength	23 °C notched / unnotched	2,25 / 23	KJ/m ²
	0 °C notched / unnotched	1,7 / 12	KJ/m ²
	-20°C notched / unnotched	1,6 / 10	KJ/m ²
Thermal			
Vicat (10N, 120°/h)	154	°C	ISO 306
Vicat (50N, 120°/h)	100	°C	ISO 306
HDT (T _{if} 0,45 MPa)	119	°C	ISO 75
HDT (T _{if} 1,8 MPa)	69	°C	ISO 75
Others			
Shrinkage, 150x100x3mm	0,6 – 0,9	%	ISO 2577
Shore D Hardness, 15s	74	°Shore	ISO 868

STORAGE

El ISPLEN® PM 360 AT 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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