

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PM370 AE

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

ISPLEN® PM370 AE gives a good compromise between stiffness and impact strength, a low warpage and shrinkage behaviour.

This product is high heat stabilised.

APPLICATIONS

- Electrical appliances.
- Under the bonnet parts subjected to high thermal stress.
- Technical pieces, in general.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	15	g/10min	ISO 1133
Density	1,14	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	3500	MPa	ISO 178
Tensile Modulus of Elasticity	3400	MPa	ISO 527
Tensile Strength at Break	33,5	MPa	ISO 527-2
Elongation at Break	4	%	ISO 527-2
Tensile Strength at Yield	34	MPa	ISO 527-2
Elongation at Yield	3	%	ISO 527-2
Charpy Impact Strength	23 °C notched / unnotched	2 / 23	KJ/m ²
	0 °C notched / unnotched	1,5 / 14	KJ/m ²
	-20°C notched / unnotched	1,4 / 12	KJ/m ²
Izod Impact Strength	23 °C notched / unnotched	3 / 22	KJ/m ²
Thermal			
Vicat (10N, 120°/h)	156	°C	ISO 306
Vicat (50N, 120°/h)	108	°C	ISO 306
HDT (T _{ff} 0,45 MPa)	127	°C	ISO 75
HDT (T _{ff} 1,8 MPa)	80	°C	ISO 75
Others			
Shrinkage, 150x100x3mm	0,5-0,7	%	ISO 2577
Shore D Hardness, 15s	74	°Shore	ISO 868

STORAGE

El ISPLEN® PM 370 AE 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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