

Isplen[®] Polypropylene

Chemicals

Technical data sheet



ISPLEN[®] PM474 AT

Polypropylene copolymer, 40% mineral filler reinforced and improved processability.

ISPLEN[®] PM 474 AT shows a high stiffness keeping a good impact strength level. This product is high heat stabilised.

APPLICATIONS

- Automotive: under the bonnet parts subjected to high thermal stress (Light housings, HVAC elements), AC inserts inside the car.
- Electrical housings, power tools.
- Technical pieces, in general.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	15,5	g/10min	ISO 1133
Density	1,26	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	3500	MPa	ISO 178
Tensile Modulus of Elasticity	3900	MPa	ISO 527
Tensile Strength at Break	20	MPa	ISO 527-2
Elongation at Break	3,5	%	ISO 527-2
Tensile Strength at Yield	22	MPa	ISO 527-2
Elongation at Yield	1,7	%	ISO 527-2
Charpy Impact Strength	23 °C notched / unnotched	2,4 / 21	KJ/m ²
	0 °C notched / unnotched	1,8 / 12	KJ/m ²
	-20°C notched / unnotched	1,7 / 11	KJ/m ²
	-40°C notched / unnotched	1,4 / 10	KJ/m ²
Thermal			
Vicat (10N, 120°/h)	150	°C	ISO 306
Viicat (50N, 120°/h)	80	°C	ISO 306
HDT (0,45 MPa)	100	°C	ISO 75
HDT (1,8 MPa)	63	°C	ISO 75
Others			
Shore D Hardness, 15s	67	°Shore	ISO 868
Shrinkage, 150x100x3mm	0,6 – 0,6	%	ISO 2577

STORAGE

ISPLEN[®] PM 474 AT should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the 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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