

Isplen[®] Polypropylene

Chemicals

Technical data sheet



ISPLEN[®] PM750 AS

Polypropylene homopolymer, 55% mineral fillers reinforced and low melt flow rate.

ISPLEN[®] PM 750 AS shows a high stiffness, as well as a low warpage and shrinkage behaviour. This product is standard stabilised, able to be used in the main applications.

APPLICATIONS

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

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	4	g/10min	ISO 1133
Density	1,43	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	7300	MPa	ISO 178
Tensile Modulus of Elasticity	6650	MPa	ISO 527
Tensile Strength at Break	30	MPa	ISO 527-2
Elongation at Break	1,1	%	ISO 527-2
Tensile Strength at Yield	24	MPa	ISO 527-2
Elongation at Yield	0,4	%	ISO 527-2
Charpy Impact Strength	23 °C notched / unnotched	1,5 / 7	KJ/m ²
	0 °C notched / unnotched	1 / 5,5	KJ/m ²
	-20°C notched / unnotched	1 / 5,5	KJ/m ²
	-40°C notched / unnotched	1 / 5,5	KJ/m ²
Thermal			
Vicat (10N, 120°/h)	158	°C	ISO 306
Vicat (50N, 120°/h)	109	°C	ISO 306
HDT (0,45 MPa)	135	°C	ISO 75
HDT (1,8 MPa)	97	°C	ISO 75
Others			
Shrinkage, 150x100x3mm	0,43 – 0,43	%	ISO 2577
Shore D Hardness, 15s	75	°Shore	ISO 868

STORAGE

El ISPLEN[®] PM 750 AS 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.

December 2013

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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