

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PM460 AS

Polypropylene homopolymer, 40% mineral fillers reinforced and medium melt flow rate.

ISPLEN® PM460 AS shows a high stiffness, as well as a low warpage and shrinkage behaviour. The product has a standard stabilization, able to be used in the main applications.

APPLICATIONS

- Technical pieces, in general.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	7	g/10min	ISO 1133
Density	1,23	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	4300	MPa	ISO 178
Tensile Strength at Yield	30	MPa	ISO 527-2
Elongation at Yield	3	%	ISO 527-2
Izod Impact Strength	23 °C notched / unnotched	2,5 / 15	KJ/m ²
	0 °C notched / unnotched	2 / 10	KJ/m ²
Thermal			
Vicat (10N, 120°/h)	156	°C	ISO 306
Vicat (50N, 120°/h)	103	°C	ISO 306
HDT (0,45 MPa)	130	°C	ISO 75
HDT (1,8 MPa)	79	°C	ISO 75
Others			
Shore D Hardness, 15s	79	°Shore	ISO 868

STORAGE

El ISPLEN® PM 460 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.

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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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