

Isplen[®] Polypropylene

Chemicals

Technical data sheet



ISPLEN[®] PM284 AS

DESCRIPTION

Polypropylene copolymer 20% mineral fillers reinforced and high processability.

ISPLEN[®] PM284 AS shows high stiffness and good impact strength. It gives good aesthetic properties and high gloss surface.

The product has a standard stabilization, able to be used in the main applications.

APPLICATIONS

- Electrical appliances and white line.
- Technical pieces, in general.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	20	g/10min	ISO 1133
Density	1,04	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	2250	MPa	ISO 178
Tensile Strength at Break	18,5	MPa	ISO 527-2
Elongation at Break	25	%	ISO 527-2
Tensile Strength at Yield	23	MPa	ISO 527-2
Elongation at Yield	4	%	ISO 527-2
Izod Impact Strength (23°C notched)	5,2	KJ/m ²	ISO 180
Izod Impact Strength (0 °C notched)	2,75	KJ/m ²	ISO 180
Izod Impact Strength (-20°C notched / unnotched)	2,3 / 25	KJ/m ²	ISO 180
Thermal			
Vicat (10N, 120°/h)	147	°C	ISO 306
Vicat (50N, 120°/h)	71	°C	ISO 306
HDT (T _{ff} 0,45 MPa)	105	°C	ISO 75
HDT (T _{ff} 1,8 MPa)	58	°C	ISO 75
Others			
Shrinkage, 150x100x3mm	1,0 – 1,2	%	ISO 2577
Shore D Hardness, 15s	65	°Shore	ISO 868

STORAGE

El ISPLEN[®] PM 284 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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