

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PM275 AW

DESCRIPTION

Polypropylene copolymer compound, with 20% mineral fillers reinforced and medium melt flow rate.

ISPLEN® PM275 AW gives a good compromise between stiffness and impact strength, a low warpage and shrinkage behaviour. The product is high UV stabilised.

APPLICATIONS

- Automotive: Interior trims and panels.
- Technical pieces, in general.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	15	g/10min	ISO 1133
Density	1,04	g/cm ³	ISO 1183
Mechanical properties			
Flexural Modulus of Elasticity	2300	MPa	ISO 178
Charpy Impact Strength (23 °C notched / unnotched)	9 / NR	KJ/m ²	ISO 179
Charpy Impact Strength (0 °C notched / unnotched)	5 / 95	KJ/m ²	ISO 179
Charpy Impact Strength (-20°C notched / unnotched)	4 / 70	KJ/m ²	ISO 179
Thermal properties			
Vicat (10N, 120°/h)	146	°C	ISO 306
Vicat (50N, 120°/h)	71	°C	ISO 306
HDT (T _{ff} 0,45 MPa)	102	°C	ISO 75
HDT (T _{ff} 1,8 MPa)	58	°C	ISO 75
Others			
Shrinkage, 150x100x3mm	1,00 – 1,05	%	ISO 2577

STORAGE

El ISPLEN® PM 275 AW 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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