

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PM364 AT

Polypropylene copolymer, 30% mineral fillers reinforced and high melt flow rate.

ISPLEN® PM364 AT gives a good compromise between stiffness and impact strength, a low warpage and shrinkage behaviour. The product is high heat stabilised.

APPLICATIONS

- Automotive: Under the bonnet parts subjected to high thermal stress (Light housings, heat and ventilation ducts), interior trims.
- Technical pieces, in general.

PROPERTIES		VALUE	UNIT	TEST METHOD
General				
MFI (230°C, 2.16Kg)		9	g/10min	ISO 1133
Density		1,13	g/cm ³	ISO 1183
Mechanical				
Flexural Modulus of Elasticity		3200	MPa	ISO 178
Tensile Strength at Yield		24	MPa	ISO 527-2
Elongation at Yield		3	%	ISO 527-2
Izod Impact Strength	23 °C notched / unnotched	7,5 / 60	KJ/m ²	ISO 180
	0 °C notched / unnotched	5 / 20	KJ/m ²	ISO 180
	-20°C notched	2	KJ/m ²	ISO 180
Thermal				
Vicat (10N, 120°/h)		146	°C	ISO 306
Vicat (50N, 120°/h)		67	°C	ISO 306
HDT (T _{ff} 0,45 MPa)		115	°C	ISO 75
HDT (T _{ff} 1,8 MPa)		61	°C	ISO 75
Others				
Shrinkage, 150x100x3mm		0,6 – 0,9	%	ISO 2577
Shore D Hardness, 15s		60	°Shore	ISO 868

STORAGE

El ISPLEN® PM 364 AT 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.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 753 86 00
atd_poliiolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com