Technical Data Sheet
Chemicals

REPSOL

REPSOL ISPLEN PM274AT

REPSOL ISPLEN PM274AT is a polypropylene copolymer, 20% mineral fillers reinforced and with high processability. It shows a good compromise between impact strength and stiffness, keeping a low warpage and shrinkage behaviour. The product is high heat stabilized.

Applications

- Automotive: Under the bonnet parts subjected to high thermal stress. Interior trims.
- Technical pieces, in general.

Recommended melt temperature range from 190 to 250ºC. Processing conditions should be optimized for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
GENERAL			
Melt flow rate (230°C/ 2,16 kg)	15	g/10 min	ISO 1133
Density at 23ºC	1050	kg/m^3	ISO 1183
MECHANICAL			
Flexural modulus of elasticity	2300	MPa	ISO 178
Tensile modulus of elasticity	2200	MPa	ISO 527
Tensile strength at break	19,5	MPa	ISO 527-2
Elongation at break	22	%	ISO 527-2
Tensile strength at yield	25	MPa	ISO 527-2
Elongation at yield	4,5	%	ISO 527-2
Charpy impact strength (23°C, notched)	4	kJ/m^2	ISO 179
Charpy impact strength (23°C, unnotched)	57	kJ/m^2	ISO 179
Charpy impact strength (-20°C, notched)	2	kJ/m^2	ISO 179
Charpy impact strength (-20°C, unnotched)	25	kJ/m^2	ISO 179
OTHER			
HDT 0,45 MPa	90	°C	ISO 75
Shrinkage, 150x100x3mm	1,3 – 1,4	%	ISO 2577

Storage

REPSOL ISPLEN PM274AT be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60ºC and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

Disclaimer

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 registeres desings cannot be assumed.

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All our polyolefins are recyclable

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This grade does not comply with the European regulations for materials for use in contact with food, nor is it intended to be used in medical, pharmaceutical, or health applications, so Repsol does not authorize its use in them.

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Related documents

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety data sheet

Recommended consumption period: 12 months from the raw material reception

January 2023

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