

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PM276 BV

DESCRIPTION

Polypropylene copolymer with 16% mineral filler reinforced. It shows very high impact strength as well as good stiffness and demoulding properties during injection moulding.

The product ISPLEN® PM276 BV is UV stabilised to be used with high temperatures.

APPLICATIONS

Automotive:

- Interior trims and panels.
- Fenders.
- Technical pieces, in general.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230°C, 2.16Kg)	15	g/10min	ISO 1133
Density	0,99	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	1700	MPa	ISO 178
Tensile Modulus of Elasticity	2100	MPa	ISO 527
Tensile Strength at Break	20	MPa	ISO 527-2
Elongation at Break	4	%	ISO 527-2
Tensile Strength at Yield	17	MPa	ISO 527-2
Elongation at Yield	16	%	ISO 527-2
Charpy Impact Strength (23 °C notched / unnotched)	9 / NR	KJ/m ²	ISO 179
Charpy Impact Strength (0 °C unnotched)	83	KJ/m ²	ISO 179
Charpy Impact Strength (-20°C notched / unnotched)	2,7 / 53	KJ/m ²	ISO 179
Charpy Impact Strength (-40°C notched / unnotched)	2,3 / 45	KJ/m ²	ISO 179
Thermal			
Vicat (10N, 120°/h)	144	°C	ISO 306
Vicat (50N, 120°/h)	66	°C	ISO 306
HDT (T _{ff} 0,45 MPa)	73	°C	ISO 75
HDT (T _{ff} 1,8 MPa)	53	°C	ISO 75
Others			
Shrinkage, 150x100x3mm	0,75 – 0,77	%	ISO 2577
Shore D Hardness, 15s	60	°Shore	ISO 868

STORAGE

EI ISPLEN® PM 276 BV 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