

Isplen[®] Polypropylene

Chemicals

Technical data sheet



ISPLEN[®] PM275 DV

DESCRIPTION

Polypropylene copolymer compound, with 20% mineral fillers reinforced and medium melt flow rate. ISPLEN[®] PM275 DV shows good impact strength and a medium rigidity. The product is 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	1,06	g/cm ³	ISO 1183
Mechanical properties			
Flexural Modulus of Elasticity	2300	MPa	ISO 178
Tensile Modulus of Elasticity	2500	MPa	ISO 527-2
Tensile Strength at Break	18	MPa	ISO 527-2
Elongation at Break	30,5	%	ISO 527-2
Tensile Strength at Yield	23	MPa	ISO 527-2
Elongation at Yield	3,5	%	ISO 527-2
Charpy Impact Strength (23 °C notched / unnotched)	4 / 106	KJ/m ²	ISO 179
Charpy Impact Strength (0 °C notched / unnotched)	2,5 / 50	KJ/m ²	ISO 179
Charpy Impact Strength (-20°C notched / unnotched)	2 / 2,5	KJ/m ²	ISO 179
Thermal properties			
Vicat (10N, 120°/h)	147	°C	ISO 306
Vicat (50N, 120°/h)	73	°C	ISO 306
HDT (T _{ff} 0,45 MPa)	86	°C	ISO 75
HDT (T _{ff} 1,8 MPa)	60	°C	ISO 75
Others			
Shrinkage, 150x100x3mm	0,9 – 1,0	%	ISO 2577
Shore D Hardness, 15s	62	°Shore	ISO 868

STORAGE

EI ISPLEN[®] PM 275 DV 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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