Isplen® Polypropylene

Chemicals Technical data sheet

REPSOL

ISPLEN® PM240 AT

DESCRIPTION

Polypropylene homopolymer, 20% mineral fillers reinforced and low melt flow rate.

ISPLEN® PM240 AT gives a high stiffness, and a low warpage and shrinkage behaviour. The product is high heat stabilised.

TYPICAL APPLICATIONS

Automotive:

- Under the bonnet parts subjected to high thermal stress (Light housings, heat and ventilation ducts).
- Air conditioning elements inside the car

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
MFI (230ºC, 2.16Kg)	3,0	g/10min	ISO 1133
Density	1,04	g/cm^3	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	2800	MPa	ISO 178
Tensile Strength at Yield	35	MPa	ISO 527-2
Elongation at Yield	5	%	ISO 527-2
Izod Impact Strength (23 ºC notched / unnotched)	5 / 40	KJ/m^2	ISO 180
Izod Impact Strength (0 ºC notched / unnotched)	3,3 / 30	KJ/m^2	ISO 180
Thermal			
Vicat (10N, 120º/h)	154	ºC	ISO 306
Viicat (50N, 120º/h)	98	ºC	ISO 306
HDT (0,45 MPa)	120	ºC	ISO 75
HDT (1,8 MPa)	66	ºC	ISO 75
Others			
Shrinkage, 150x100x3mm	0,9 – 1,5	%	ISO 2577
Shore D Hardness, 15s	76	ºShore	ISO 868

STORAGE

ISPLEN® PM240 AT should 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 which may have a negative influence on the processability and the properties of the transformed product.

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

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

Customer Care:
sacrq@repsol.com