



ME 2011

Material Specification of Polyamide, PA Vlies 1

1 General

1.1 Scope

This instruction lays down all the requirements which are made for the semi-finished product PA Vlies 1.

1.2 Description, Definition

PA Vlies 1, thickness 2.5 mm is a fleece made exclusively of aromatic polyamide fibres (Nomex), bound mechanically (needle-punched).

1.3 Product Designation

For semi-finished product	Designation text
Width	Bn 2.5 x width - PA Vlies 1

1.4 Dimensions

See order.

1.5 Delivery Documents, Destination For Delivery

See order.

1.6 Order

The order is the summary of the particulars and regulations that apply to the delivery. BHEL reserves the right to test all the requirements listed, test material for which is included in the order. The order can contain requirements which differ from or supplement instruction. (except the section 2.1 "Properties").

1.7 Supplier's Product Designation

Semi-finished product PA Vlies 1 must receive from the supplier a designation of quality which must be changed if alternations are made to the composition, the quality of the raw materials, the method of manufacture or other factors that could influence the technological properties of the semi-finished product.

1.8 Acceptance of New Products

Attainment of the properties listed is not in itself sufficient for the acceptance of new, previously unaccepted products. Only if after particular experiments, practical service tests and if necessary, other considerations have been taken into account, it appears that the new product is acceptable and interchangeable, may we decide to convert to it.

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Distribution

TXM
CIM
TME

Qty.

2
2
1

Approved:

M. Bhasin
Prepared

21/2/97
Checked
Date
1/10/97



PRODUCT STANDARD
TME DIVN. BHOPAL

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2 Requirements

2.1 Properties

Code	Size, term	Unit	Values	Test method
90100	Thickness	mm	2.5 ± 0.4	DIN 53855 1)
01150	Mass per unit area	g/m	190 ± 20	
01200	Appearance	---	white, no colouration	
07200	Capillary rise in insulating oil after 60 min, in machine and transverse direction	mm	> 30	ZLC 10002
10150	Force at rupture per 1 cm of tape width, in machine direction	N	> 35	ISO 1924 (= DIN 53112)
	in transverse direction		> 70	
11550	Elongation at rupture in machine direction	%	> 70	ISO 1924 (= DIN 53112)
	in transverse direction		> 80	

2.2 Consignment

2.2.1 Form of the Consignment

Cut tapes in width ≤ 1 000 mm wide and approximately 15 m long, widths 1000 mm wide and around 50 m long.
Wound on cores with an inside diameter of 70 mm

2.2.2 Packing

The individual shipments are to be packed so that no damage can arise during transport.

2.2.3 Transport

The shipment is to be made by rail or road transport in such a way that it can be unloaded easily.

2.2.4 Identification

Each item of the consignment (roll, packet etc.) must be labelled securely and indelibly (e.g. with an adhesive label or an appendage) with the following details: ABB designation text of product and identification number, quantity and eventually batch) and test numbers.

2.3 Permissible Variations

2.3.1 Dimensions

For thickness 2.5 mm: see section 2.1 "Properties".
For nominal width b : ± 5 %

3 Reference to ABB Standards

This spec. is equivalent to ABB standard ZN02521 calling Identification Nos. HZN451139 P.

1) Measured with a measuring pressure of 1.25 N on a measuring area of 25 cm

Note:

The code numbers in section 2.1 serve as internal functional key and have therefore no significance for the user of the delivery instruction.

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