

JORDANIAN TECHNICAL DATA SHEET

Textile – Specification for anti-insect nets:

Part 1: nets made from 100% polyester yarn

STANDARD

TEXTILE – SPECIFICATION FOR ANTI INSECT NETS PART1: nets made from 100% polyester yarn.

0. FOREWORD

0.1 This Jordanian Standard specifies the requirements of two types of mosquito nets made out of 100% polyester yarn.

0.2 Anti-Insect nets which are available in the market can be categorized according to their sizes. In determining the quality of this widely used customer item, more emphasis should be given not only to the netting fabric but also to stitching and other attachments. In that case shape, size and dimensions are very important. This standard which outlines requirements for manufacture and workmanship of mosquito nets will be guidance for manufacturer and protect the buyer.

0.3 For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing the result of a test or an analysis shall be rounded off in accordance with TZS 4:1979.

The number of significant places retained in the rounded off value shall be the same as that of the specified value in this specification.

1. SCOPE

1.1 This standard prescribes the requirements of two types of Anti Insect nets namely rectangular Anti Insect nets and circular or conical shaped Anti Insect nets.

These may be bleached or dyed as specified in the contract or order.

2. REFERENCE

- a) *TZS 21:1979 Textiles – Determination of mass per unit length and per unit area of knitted or woven fabric*
- b) *TZS 26:1979 Textiles – Determination of conductivity, pH, water soluble matter, chloride and sulphate in aqueous extracts.*
- c) *TZS 40:1979 Textiles – Determination of colour fastness – colour fastness to daylight.*
- d) *TZS 44:1979 Textiles – Determination of length and width of fabrics*
- e) *TZS 139:1981 Textiles – Determination of linear density of yarn removed from fabric free from added matter.*
- f) *TZS 137:1981 Textiles – Determination of dimensional change of woven and knitted fabric and garments – machine method.*
- g) *TZS 167:1979 Textiles – Determination of colour fastness colour fastness to washing – Test 3.*
- h) *TZS 265:1985 – Test method for testing strength of yarn from packages.*

3. REQUIREMENTS

3.1 Manufacture

3.1.1 Fabric

3.1.1.1 Netting

The fabric used for the manufacture of Anti Insect nets shall conform to constructional and performance requirements prescribed in Table 1.

3.1.1.2 Top and other attachments

The fabric used for the top of the Anti-insect nets and other parts such as bands, frills tying tapes etc. and which may be used to decorate, reinforce and strengthen the net shall be made from denier 75/1 or 150/1 polyester

fabric having a mass not less than 50 gm/metre squared. The colour of the fabric shall match with the colour of the netting.

3.1.2 Defects

The Anti Insect nets shall be free from defective holes having diameter more than the normal hole size of the netting), stitching defects, stains and observable defects.

1. ANTI INSECT NET:
WEIGH: 40-46 GM/M²
HOLES /CM²: 180-220

2. DATES PROTECTING BAG:
WEIGH: 40-46 GM/M²
HOLES /CM²: 80-120

3. GRAPS PROTECTING BAG:
WEIGH: 40-46 GM/M²
HOLES /CM²: 170-200

3.1.3 The Colour

The fabric shall be in white or any colour which is agreeable between the purchaser and supplier.

3.1.4 pH value

The Ph value of Anti Insect netting shall be between 6.0 and 8.5.

3.1.5 Dimensional change

The dimensional change of Anti Insect netting shall be not more than 5%. The dimensional change of the fabric of the top attachment shall not be more than 2.5%.

3.2 Workmanship

3.2.1 The mosquito net shall be rectangular or conical in shape unless Otherwise agreed to between the supplier and the purchaser.

Table 1 – Requirements for Polyester (multi-filament) mosquito netting (Rectangular or conical shaped.

S/NO.	Characteristic	Requirement
1.	Material	100% Polyester (mutifilament) textured Yarn
2.	Texturing temp:	First heter:180-185 Second heter:190-195
3.	Linear density (den)	75 denier or 150 denier
4.	Mesh size (holes)/CM ²	
	ANTI INSECT NET	180-220
	DATES PROTECTING BAG	80-120
	GRAPS PROTECTING BAG	170-200
5.	Mass per unit area. G/m ² , min.	40 gm/m ² for 75 denier, 46 gm/m ² for 150 denier
6.	Bursting strength, Kpa (min)	220 Kpa for 75 denier, 250 K _{pa} for 150 denier.

