

Draft Tanzania Standard
Textiles – Dust Mask-Specification.



TANZANIA BUREAU OF STANDARDS

0. FOREWORD.

0.1 Wearing a dust mask or respirator is one of the easiest ways to reduce or eliminate exposure to dust, pollen, chemical pollutants, mold, bacteria and other contaminants. This Draft Tanzania Standard has been prepared by the Household technical committee to provide guidance to manufacturers, importers and users of the non-toxic nuisance dust mask.

0.2 In the preparation of this Draft Tanzania Standard assistance was derived from; *AS/NZS 1716:2012 Respiratory protective devices* and, *EN149:2001- Respiratory protective devices - Filtering half masks to protect against particles- Requirements, testing, marking.*

1. SCOPE.

1.1 This draft Tanzania Standard specifies dust masks meant for protection against non-toxic mechanically generated dust particles contaminated atmospheres which may be a nuisance if inhaled in a dusty working environment.

1.2 This draft Tanzania Standard does not purport to give guidance on selection, use and maintenance of a dust mask.

1.3 This draft Tanzania Standard does not apply to respirators which are intended for protection against vapour and other gaseous matters.

2. REFERENCE.

For the purpose of this draft Tanzania standard the following references shall apply:

i). TZS 26:1981 Textiles –Determination of the conductivity, pH, water soluble matter, chloride and sulphate in aqueous extracts.

ii) TZS 534:1995 Textiles – Standard atmosphere for conditioning and testing.

iii) ISO: 3859: Sampling procedures for inspection by attributes.

3. DEFINITIONS.

For the purpose of this draft Tanzania Standard the following definitions shall apply;

2.1 Dust mask – commonly known as ‘nuisance’ dust mask, is a type of respirator used to filter non-toxic particulate material from the ambient air.

2.2 Respirator – An air filtering device worn over the mouth or nose or both to protect the respiratory tract of the user from hazardous gas, vapor or particulate materials in the ambient air which could be harmful if inhaled in a dusty working environment.

Note: Respirators should be OSHA approved.

4. GENERAL REQUIREMENTS.

4.1 Disposable Dust Mask shall be made from light weight non-woven stiffed textile fibre with adjustable nose bridge in order to allow snug fit to a range of face shape and sizes, held with elastic band. (Fig.1).

4.2 Cloth type mask shall be in the form of a piece of cloth with elastic head bands and filter elements and malleable Aluminum Strip (55 x 6 x 0.5 mm) embedded by stitching to press to fit the contour of nose bridge of user (Fig.2).

4.3 The head band shall be of good quality and shall be held positively and firmly in place.

4.4 Each face-piece shall be constructed so as to assume a quick, snug tight fit on persons of widely varying facial shapes and sizes.

4.5 The pH value shall be in between 5-8.

5. CONSTRUCTION OF MATERIAL

5.1 The mask shall be constructed of materials suited to withstand normal usage, and exposure to extremes of environmental conditions.

5.2 Material of highly flammable nature shall not be used.

5.3 All parts of the mask that are in direct contact with portions of the wearer's body shall be of non-irritating composition, soft and pliable, and shall not contain known substances which are allergic to the human skin.

6 MARKING AND PACKING

6.1 MARKING

Masks shall be legibly stamped or label secured to the inside of the cuff with the following information:

- a) The manufacturer's name or recognized trade mark
- b) Year of manufacturer;
- c) Expiry date;
- d) The type of Mask;
- e) Lot number.
- f) pH value.

6.2 PACKING

The masks shall be packed together in a suitable transparent bag and then packed in suitable box containers to protect them from damage during transportation and storage.

7. SAMPLING FOR INSPECTION

7.1 Sampling

7.1.1 Lot-In any consignment, all masks of one type manufactured from the same raw material shall be grouped together to constitute a lot.

7.1.2 Samples for test shall be selected at random from each lot in accordance with Table 1

Table 1: Size of test Sample and Acceptance

No of Masks in the lot	No. of Masks to be selected	Acceptance Number	Method of Sampling
Up to 15	3	2	ISO: 2859
16 to 25	5	3	
26 to 40	7	5	
41 to 65	10	7	
66 to 110	15	10	
111 to 180	25	16	
181 to 300	35	22	
301 and above	50	30	

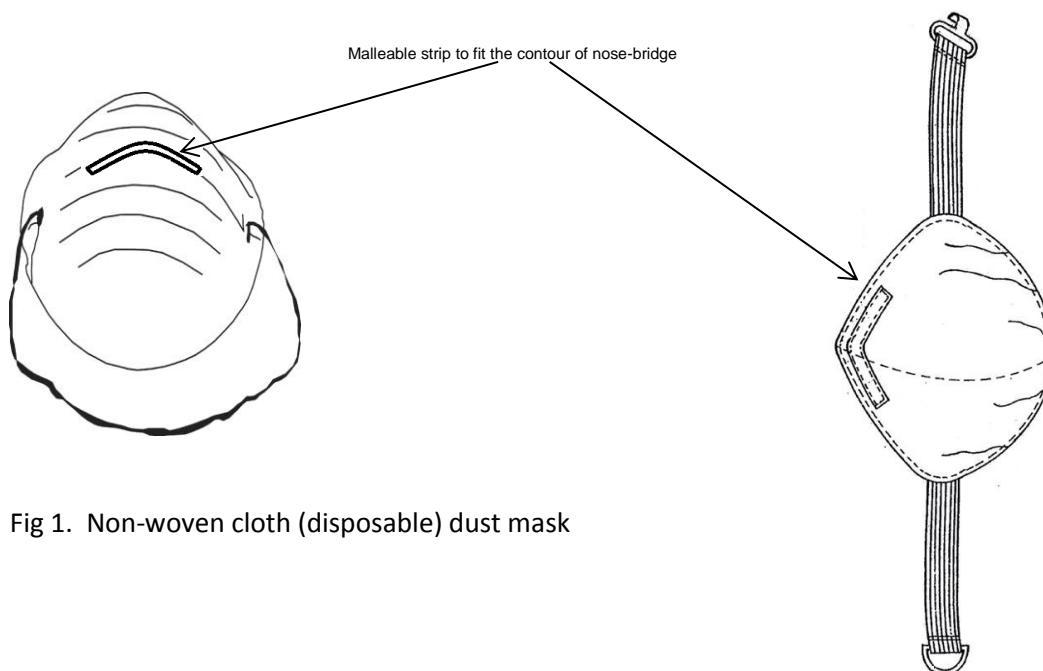


Fig 1. Non-woven cloth (disposable) dust mask

Fig 2. Stitched cloth dust mask.