**PRODUCT SPECIFICATION**

**Nitrile Powder Free Examination Gloves (Finger Textured)**

**Product Code - NBPFS, NBPFM, NBPFL, NBPFXL**



**SECTION I: PRODUCT DESCRIPTION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. 1 | Type | Nitrile Examination Glove, Powder Free, Online Single | | | |  |
|  |  | Chlorinated, Non-sterile | | |  |  |
| 1. 2 | Material | 100% Synthetic Nitrile Latex | | |  |  |
| 1. 3 | Color | Blue |  |  |  |  |
| 1. 4 | Design and Feature | Ambidextrous, finger textured, beaded cuff | | | |  |
| 1. 5 | Powder | No powder lubricant added | | |  |  |
| 1. 6 | Storage Condition | The gloves shall maintain their properties when stored in a dry | | | |  |
|  |  | condition. Avoid direct sunlight. | | |  |  |
| 1. 7 | Shelf-Life | The gloves shall have shelf life of 5 years from the date of | | | |  |
|  |  | manufacture with the above storage condition. | | | |  |
| 1. 8 | Packing Style | 100 pcs gloves x 10 dispensers x 1 carton | | | |  |
| 1. 9 | Size Marking | The size of gloves shall be marked in the check box on every | | | |  |
|  |  | carton with black ink. | | |  |  |
| **SECTION II : PERFORMANCE REQUIREMENTS** | | | | |  |  |
| (Sampling Plan – ISO 2859 Single Normal) | | | |  |  |  |
| # | Characteristics |  | Inspection | Acceptable | Reference Standard |  |
|  | Level | Quality Level |  |
|  |  |  |  |  |
|  |  |  |  |  |  |  |
| 2.1 | Dimensions |  | S2 | 4.0 | ASTM D6319-10 (2015) |  |
|  |  |  |  |  |  |  |
| 2.2 | Physical Properties |  | S2 | 4.0 | ASTM D6319-10 (2015) |  |
|  |  |  |  |  |  |  |
| 2.3 | Freedom from Holes |  | GI | 1.5 | In-house practice |  |
| (Air Pump Test) |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 2.4 | Visual Defects: |  |  |  |  |  |
| (i) | Major Visual |  | GI | 2.5 | In-house practice |  |
| (ii) | Minor Visual |  |  | 4.0 |  |  |
|  |  |  |  |  |  |  |
| 2.5 | Packaging Defects: |  | GI | \*\* |  |  |
| (i) | Regulatory |  | In-house practice |  |
|  | GI | 4.0 |  |
| (ii) | Visual |  |  |
|  |  |  |
|  | S2 | 4.0 |  |  |
| (iii) | Critical (incl. Gloves Counting) | |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |
| 2.6 | Powder Free Residue |  | N=5 | - | ASTM D6319-10 (2015) |  |
|  | ASTM D6124-06 (2011) |  |
|  |  |  |  |  |  |
|  |  | |  |  |  |  |
| 2.7 | Mix Size / Mix Glove / Mix Hand | | Not | Allowed |  |  |
|  |  |  |  |  |  |  |
|  |  |  | \*\*Unacceptable at any level | | |  |

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**SECTION III: PERFORMANCE SPECIFICATION**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3.1 | Dimensions |  |  |  |  |  |  |  |  |  |
|  | Description |  | Size |  |  |  | Standard | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Length (mm) |  | All Sizes |  |  |  | Min 240 | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | XS |  |  |  | 76 +/- 3 | |  |  |
|  |  |  | S |  |  |  | 84 +/- 3 | |  |  |
|  | Palm Width (mm) |  | M |  |  |  | 94 +/- 3 | |  |  |
|  |  |  | L |  |  |  | 105 +/- 3 | |  |  |
|  |  |  | XL |  |  |  | 113 +/- 3 | |  |  |
|  |  |  |  |  |  |  | |  |  |  |
|  |  |  |  |  | Finger : | 0.09 +/- 0.02 | | |  |  |
|  | Thickness (mm) |  | All Sizes |  | (Typical value: 0.08 – 0.11) | | | |  |  |
|  |  |  |  |  |  |  |  |  |
|  | \*single wall |  |  |  | Palm : | 0.07 +/- 0.02 | | |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  | (Typical value: 0.06 – 0.07) | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 3.2 | Physical Properties |  |  |  |  |  |  |  |  |  |
|  | Description |  |  |  |  | Standard | | | |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  | Before Aging | | |  |  | After Aging | |  |
|  |  |  |  |  |  |
|  | Elongation at Break (%) |  |  | Min 500 | |  |  | Min 400 | |  |
|  |  | (Typical value: 500 - 600) | | | |  | (Typical value: 400 – 550) | |  |
|  |  |  |  |  |
|  |  |  |  |  | |  |  |  | |  |
|  | Tensile Strength (MPa) |  |  | Min 14 | |  |  | Min 14 | |  |
|  |  | (Typical value: 14 – 18) | | | |  | (Typical value: 14 – 18) | |  |
|  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

1. Freedom from Holes

The sample size and allowable number of non-conforming gloves in the samples shall be determined in accordance to Sampling Plan ISO 2859-1 Single Normal using inspection and acceptable quality level as stated in Section II: Performance Requirements.

1. Visual Defects

The sample size and allowable number of non-conforming gloves in the samples for both major and minor defects shall be determined in accordance to Sampling Plan ISO 2859-1 Single Normal using inspection and acceptable quality level as stated in Section II: Performance Requirements.

1. Packaging Defects

The Sample size and allowable number of non-conforming in the samples for regulatory, visual and critical packaging defects shall be determined in accordance to Sampling Plan ISO 2859-1 Single Normal using inspection and acceptable quality level as stated in Section II: Performance Requirements (Gloves Counting=100 pcs by weight per Dispenser).

1. Powder Free Residue Maximum 2 mg per glove

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