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## Sleeping mat, 1.80x0.90m, twill weave

### Overview

| Specifications |                 |
|----------------|-----------------|
| Item code      | 3500000027      |
| Unit weight    | 0.73 kg minimum |



Sleeping mat

## Description

### Sleeping Mats - Plastic - Flooring

| Sleeping Mats - Plastic - Flooring |  |
|------------------------------------|--|
| <b>Description</b>                 | Floor mats made in a tightly woven twill weave fabric (2/1, 3/1, 2/2, 3/2) of clean and neat appearance. |

## Sleeping Mats - Plastic - Flooring

|                          |  |
|--------------------------|--|
| <b>Warp</b>              | Pure virgin polypropylene (PP) multifilament 500 deniers minimum.  |
| <b>Weft</b>              | Pure virgin polypropylene (PP) hollow tubes not containing any filler Minimum 1000 tubes in weft per meter length.   |
| <b>Finish</b>            | <p>The two short sides to be secured with a first stitch folded hem of the mat, plus one bias 40mm binding tape of minimum 10g/m with stitches through the fabric of the mat, OR with a double folded stitched hem. Four sides trim finished.</p> <p>The binding is secured and durable to prevent the fraying of the mat, which will result in rapid disintegration of the structure.</p> |
| <b>Colour</b>            | Assorted, with neutral design.   |
| <b>Finished Size</b>     | 1.80m x 0.90m minimum  |
| <b>Weight</b>            | 450g/m <sup>2</sup> minimum  |
| <b>Bursting strength</b> | ISO13938: 700 kPa minimum  |
| <b>Packing</b>           | <p>Bales of 25 or 50 pieces, compressed to a final volume.</p> <p>Package to be wrapped in a protective outer PP woven canvas, with 4 straps. No individual packing required.</p>  |

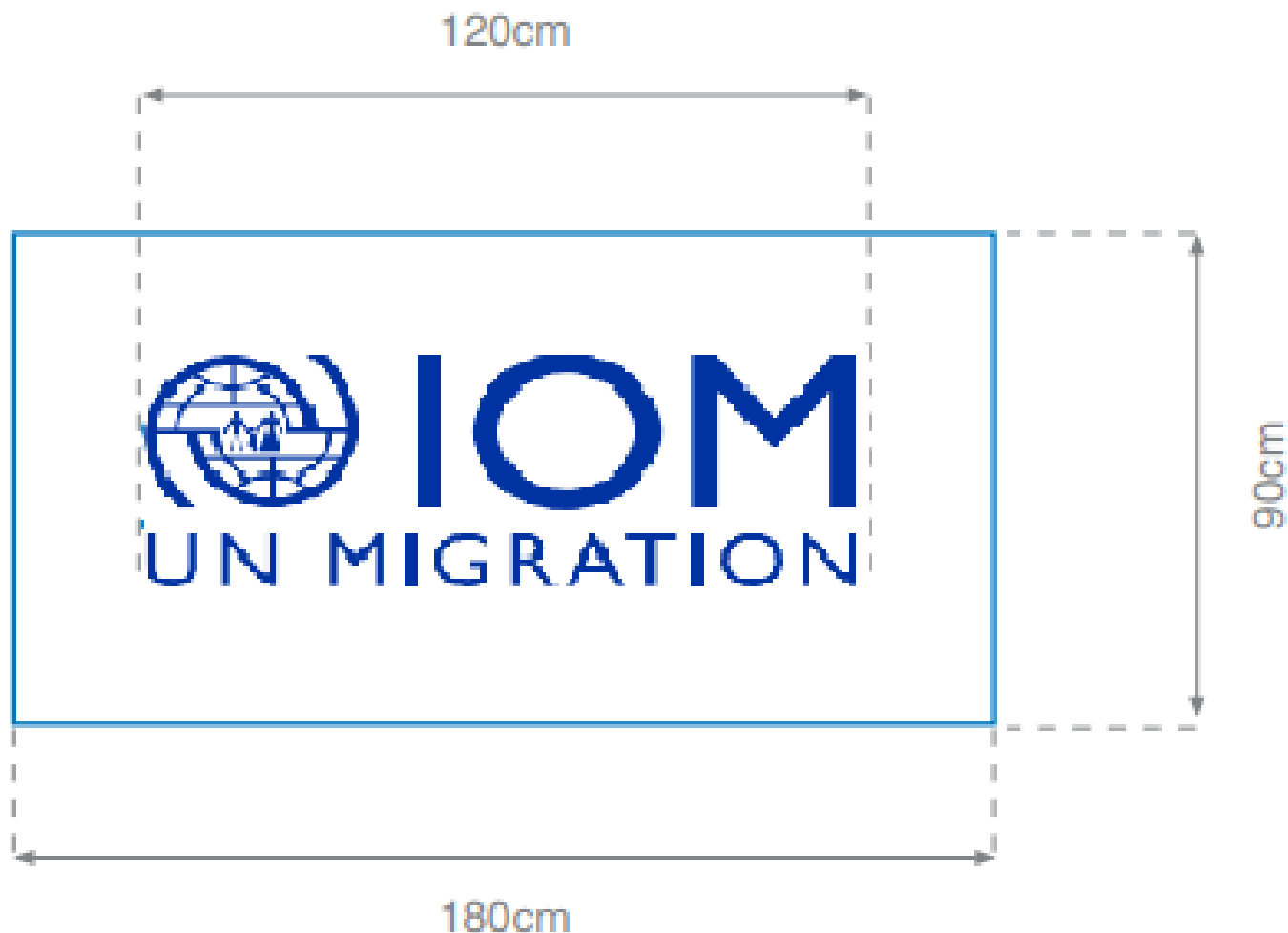
**Sleeping Mats - Plastic - Flooring**

|                                   |  |
|-----------------------------------|--|
| <p><b>Packing information</b></p> | <p>Marking on the package must include the following details:</p> <ol style="list-style-type: none"> <li>1. Indicate IOM Logo</li> <li>2. Item name and material code, IOM Sleeping Mat – 3500000027</li> <li>3. PO number and Quantity</li> <li>4. Batch number and Manufacturing date</li> <li>5. Packing units: To be marked with consecutive numbers (i.e 1/25, 2/25...)</li> <li>6. Indicate Gross Weight and Dimension</li> </ol> <p>Do NOT include logo of the vendor. Marking must remain readable and well fixed on the box after minimum 10 handlings.</p> |
| <p><b>Packaging detail</b></p>    | <p>The items to be packed in Wooden EURO pallet (EUR 1) and fumigated as per ISPM 15 standard. Items must be shrink-wrapped, securely strapped and sealed. The packaged goods must not exceed the length and width of the pallet and clearly marked with IOM standard markings (packing details above) in both front and back.</p>   |
| <p><b>Logo</b></p>                | <p>IOM Visibility logo must be printed or woven in the middle and across the long side of the sleeping mat for maximum visibility.</p>   |

All IOM Non-Food Items (NFIs) have been designed, manufactured, and packaged for distribution ensuring minimal impacts on the environment. Through rigorous Quality Assurance processes along with risk and life cycle

assessments, the NFIs are evaluated holistically throughout its entire life cycle on its impact on the environment and for improved durability to enable reaching beyond its intended service life. Hence, reducing the need for frequent replacements. IOM NFIs can be recycled and further re-purposed or upcycled to suit multiple uses such as converting to different usage like handbags, car covers, recycled wastewater collection etc.

All unnecessary sub-packaging made of single-use plastics are avoided. When sub-packaging is exceedingly necessary, IOM prefers 100% compostable bio-plastic packaging made from biomass or unbleached, natural-coloured-recycled paper or using paper with FSC forest management certification.



Logo on sleeping mat

## Key Considerations

Acceptable Quality Limits (AQL)



## AQL Definitions, penalties, **Corrective Action** **Plan** and Quality Control rules.

**Nonconformities classification: Critical: C; Major: M; Minor: m**

### **Definitions:**

**Critical nonconformity** : Any discrepancy which might harm an user or makes it impossible to use the product properly is considered to be critical. Lots with Critical discrepancy are subject to refusal.

**Major nonconformity** : Any discrepancy which makes the use of the product less efficient than expected is considered to be major. Lots with Major discrepancies can be accepted.

**Minor nonconformity** : Any discrepancy which does not have an influence on the performance of the product is considered to be minor. Lots with Minor discrepancies can be accepted.

### **Non-Conformities classification and related penalties:**

**Corrective action plan must be implemented by the vendor on its processes, addressing root causes of occurrence (production) and of non-detection of the nonconformity (QC).**

#### **Critical: (AQL 0)**

Nonconforming characteristic (number of nonconforming items  $\geq$  Rejection number. ISO-2859-1) implies a penalty of 10% of the value of the total PO per each critical non-conformity to be charged to the supplier. Determination of lot acceptability is to be decided by IOM.

#### **Major: (AQL 4.0)**

Nonconforming characteristic (number of nonconforming items  $\geq$  Rejection number. ISO-2859-1) implies 0.5% penalty of the value of the total PO per each major non-conformity to be charged to the supplier. Determination of lot acceptability is to be decided by IOM.

#### **Minor: (AQL 6.5)**

Nonconforming characteristic (number of nonconforming items  $\geq$  Rejection number. ISO-2859-1) implies implies 0.25% penalty of the value of the total PO per each minor non-conformity to be charged to the supplier. Determination of lot acceptability is to be decided by IOM.

### **Quality Control and Acceptance Quality Level**

**- The AQLs herein are after IFRC/ICRC with additional parameters on IOM markings and required packaging.**

- The Method of testing is drawn from ISO-2859-1 International Standards (table1: Sample size code letters, and table 2-A: Single sampling plans for normal inspection). The samples will be taken randomly by the buyer from the delivered items and then inspected.

- The buyer can decide either to inspect the lot at IOM QC laboratory or to use an inspection company for analysis, or both. Transport to laboratory and analysis cost for lab testing are at expense of IOM.

- The vendor can contest the results of the Quality Control done at IOM warehouses by requesting a lab testing. In this case transport to laboratory and analysis cost for lab testing are at expense of the seller.

- **Nonconformity**: non-fulfilment of a specified characteristic requirement.

- **Nonconforming item**: item with one or more nonconformities.

- **Lot**: definite amount of some product, material or service, collected together.

- **Sample**: set of one or more items taken from a lot and intended to provide information on the lot.



International Organization for Migration (IOM)  
The UN Migration Agency

## AQL Sleeping mats 1,8 x 0,9 m Specifications and Quality Control

IOMQC-AQLS00V8  
Ver8.0  
04.02.2022

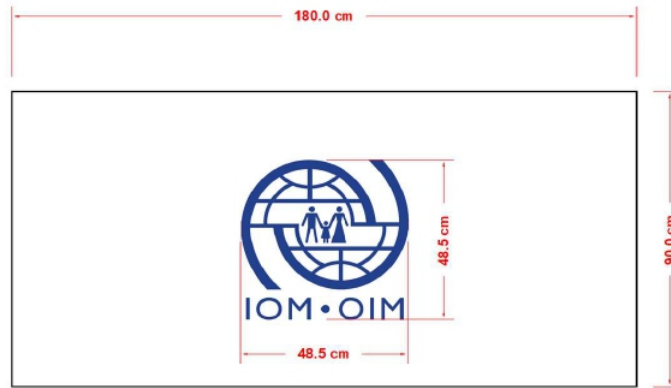
Nonconformities classification: Critical: **C**; Major: **M**; Minor: **m**

| Items           | Characteristics      | Nonconformities classification | QC type     | AQL                                      | QC Inspection at IOM warehouses and lab testing  |
|-----------------|----------------------|--------------------------------|-------------|--|--|
| Bales           | Marking on the bales | <b>m</b>                       | Ok/Nok      | 6.5                                      | Marking expected: IOM Logo + IOM Sleeping Mat – 3500000027. List of Content inside box + PO number and Quantity + Batch number and Manufacturing date + Packing units: To be marked with consecutive numbers (i.e 1/20, 2/20...) + Indicate Gross Weight and Dimension. No logo of the supplier allowed, must be readable and strong enough to resist several handling.  |
|                 | Bales strapping      | <b>m</b>                       | Ok/Nok      | 6.5                                      | Package to be wrapped in a protective outer PP woven canvas, with 4 straps on the length. No individual packing required.  |
|                 | Bales quality        | <b>m</b>                       | Ok/Nok      | 6.5                                      | Mats packed in polypropylene PP bags (no hole, tears...)   |
|                 | Content              | <b>m</b>                       | Ok/Nok      | 6.5                                      | Packing: Bales of 25 pieces compressed,  |
|                 | Packaging            | <b>m</b>                       | Ok/Nok      | 6.5                                      | The items to be packed in Wooden EURO pallet (EUR 1) and fumigated as per ISPM 15 standard. Items must be shrink-wrapped, securely strapped and sealed. The packaged goods must not exceed the length and width of the pallet and clearly marked with IOM standard markings (packing details above) in both front and back.  |
| Mats            | Printing IOM Logo    | <b>m</b>                       | Measurement | 6.5                                      | IOM visibility logo must be printed or woven in the middle and across the long side of the mat for maximum visibility.   |
|                 | Material             | <b>C</b>                       | Ok/Nok      | 0  | - Warp: Pure virgin polypropylene (PP) multifilament 500 deniers minimum (tests protocol: Infra red for the determination of the composition, balance for the thickness of the filament),<br>- Weft: Pure virgin polypropylene (PP) hollow tubes not containing any filler (tests protocol: Infra red for the determination of the composition; Oven >600°C, balance for the ash content (Minerals); Soxhlet, balance ethanol for the oil content) |
|                 | Bursting strength    | <b>M</b>                       | Measurement | 4.0                                      | ISO13938: 700 kPa minimum  |
|                 | Weight               | <b>m</b>                       | Measurement | 6.5                                      | 450g/m <sup>2</sup> minimum (measurement done on total weight divided by total surface of the mat)   |
|                 | Mat Length           | <b>M</b>                       | Measurement | 4.0                                      | 1800mm minimum, 1900mm maximum   |
|                 | Mat Width            | <b>M</b>                       | Measurement | 4.0                                      | 900mm minimum  |
|                 | Tubes quantity       | <b>M</b>                       | Measurement | 4.0                                      | Minimum 1000 tubes in weft per meter length  |
|                 | Secured edge         | <b>M</b>                       | Ok/Nok      | 4.0                                      | The two short sides to be secured with a first stitch folded hem of the mat, plus one bias 40mm binding tape of minimum 10g/m with stitches through the fabric of the mat, OR with a double folded stitched hem. Four sides trim finished.   |
|                 | Color                | <b>C</b>                       | Ok/Nok      | 0  | Colour: assorted, with neutral design. The drawings shall not contain signs or religious proverbs and / or political   |
| General Quality | <b>M</b>             | Ok/Nok                         | 4.0         | Homogeneous weaving (no non-woven tubes) |  |

**REFERENCE DRAWING**

**COLOUR : PANTONE BLUE or CMYK.**

**C = 100%, M = 82%, Y = 10%, K = 2%**





## Contacts

For further information, contact [sheltersupport@iom.int](mailto:sheltersupport@iom.int).

## Key Points

- AQL considered a "live" document. IOM Staff Users of this document must check SharePoint that they have the latest version.

## References and Tools

- [Sleeping mat, 1.80X0.90M, Twill Weave AQL](#)

## Other Entries in this Topic

- [Logistics Emergency Catalogue](#)

## Document date

Document last updated: Jan 2023