

# AQL

## Definitions, penalties, **Corrective** **Action Plan** and Quality Control

**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 and is subject to lot refusal.

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

Nonconforming characteristic (number of nonconforming items  $\geq$  Rejection number. ISO-2859-1) implies first time a penalty of 0.5% of the value of the total PO, second time 1 %, and + 0.5% at every occurrence for the duration of the contract per each nonconforming characteristic. **>10% of nonconforming items is subject to lot refusal.** Penalty is put on hold for 3 months from the date of sharing of the inspection report with supplier, after this period if the nonconformity is not anymore found by inspection the penalty is cancelled, if the nonconformity still exists the penalty applies for the whole POs received during the 3 months.

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

Nonconforming characteristic (number of nonconforming items  $\geq$  Rejection number. ISO-2859-1) implies 2 times without penalties, third time a penalty of 0.5% of the value of the total PO, fourth time 1 %, and + 0.5% at every occurrence for the duration of the contract per each nonconforming characteristic. **>10% of nonconforming items is subject to lot refusal.** Penalty is put on hold for 3 months from the date of sharing of the inspection report with supplier, after this period if the nonconformity is not anymore found by inspection the penalty is cancelled, if the nonconformity still exists the penalty applies for the whole POs received during the 3 months.

### 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

IMA.QA.AQL.00010  
Ver7.0  
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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 – 110000027 3. 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. The size of the logo on the center of the mat should be 48.5 cm wide and 48.5 cm high and refer to this logo placement guideline below.
	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), - 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%**

