



International Organization for Migration (IOM)  
The UN Migration Agency

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

IOMQC-AQLS00V8  
Ver8.0  
04.02.2022

**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.

**Penalty rules for specific nonconformities:**

<b>Blankets</b>	<b>Thermal resistance for Low Thermal blankets (AQL 4.0)</b>
	Discrepancy between requirement and the average result of nonconforming blankets: 0.15m <sup>2</sup> .K/W >result≥0.14m <sup>2</sup> .K/W: 2% of the value of the PO 0.14m <sup>2</sup> .K/W >result≥0.10m <sup>2</sup> .K/W: 5% of the value of the PO 0.10m <sup>2</sup> .K/W >result: 10% of the value of the PO and subject to lot refusal
	<b>Thermal resistance for Medium Thermal blankets (AQL 4.0)</b>
	Discrepancy between requirement and the average result of nonconforming blankets: 0.25m <sup>2</sup> .K/W >result≥0.23m <sup>2</sup> .K/W: 2% of the value of the PO 0.23m <sup>2</sup> .K/W >result≥0.18m <sup>2</sup> .K/W: 5% of the value of the PO 0.18m <sup>2</sup> .K/W >result: 10% of the value of the PO and subject to lot refusal
	<b>Thermal resistance for High Thermal blankets (AQL 4.0)</b>
	Discrepancy between requirement and the average result of nonconforming blankets: 0.40m <sup>2</sup> .K/W >result≥0.36m <sup>2</sup> .K/W: 2% of the value of the PO 0.36m <sup>2</sup> .K/W >result≥0.29m <sup>2</sup> .K/W: 5% of the value of the PO 0.29m <sup>2</sup> .K/W >result: 10% of the value of the PO and subject to lot refusal



International Organization for Migration (IOM)  
The UN Migration Agency

# AQL Blankets synthetic MEDIUM Thermal resistance 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 (Samples of blankets must be from compressed bales)
Bales	Marking on the bales	<b>m</b>	Ok/Nok	6.5	Marking expected: IOM Horizontal Logo + IOM Medium Thermal Blanket - 3500000030 + 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 dimensions. No logo of the supplier allowed. Marking must remain readable and well fixed on the bale after minimum 10 handlings.
	Bales length	<b>m</b>	Measurement	6.5	Minimum: 80cm ; Maximum:90cm.
	Bales width	<b>m</b>	Measurement	6.5	Minimum: 50cm ; Maxi:60cm.
	Bales height	<b>m</b>	Measurement	6.5	Minimum: 65cm ; Maxi:75cm. Height of the bales to be compressed by maximum 40% from free state to final compressed and strapped state.
	Bales strapping	<b>m</b>	Measurement	6.5	Compressed and strapped with 5 straps (2 lengthwise, 3 crosswise)
	Bales quality	<b>m</b>	Ok/Nok	6.5	Bales to be wrapped in a water-tight micro perforated plastic film and covered with a polypropylene or jute woven bag.
	Content	<b>m</b>	Ok/Nok	6.5	Quantity per bale: 20 pieces.
	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 of the case.
	Material	<b>C</b>	Ok/Nok	0	Woven/knitted, dry raised both sides, 100% virgin polyester and/or acrylic fibres or polyester/cotton (Content ISO 1833 on dry weight)
	Colours	<b>M</b>	Ok/Nok	4.0	A uniform dark color that is not black (e.g. dark blue, grey, brown). No red or white. Colour should be well fixed and not run with washing.
	Length	<b>m</b>	Measurement	6.5	Minimum: 198cm ; Maximum:206cm. To be taken on flat stabilised sample, without folds.
	Width	<b>m</b>	Measurement	6.5	Minimum: 148.5cm ; Maximum:154.5cm. To be taken on flat stabilised sample, without folds.
	Weight	<b>m</b>	Measurement	6.5	Minimum:400g/m2; maximum:700g/m2. Weight determined by total weight/total surface.
	Thickness	<b>M</b>	Measurement	4.0	6.5 mm minimum. ISO 5084 (1KPa on 2000mm <sup>2</sup> )
	Tensile strength	<b>M</b>	Measurement	4.0	250N warp and weft minimum. ISO13934-1
	Tensile strength loss after washing	<b>M</b>	Measurement	4.0	Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO13934-1 and ISO 6330
	Shrinkage maxi.	<b>M</b>	Measurement	4.0	Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO 6330
	Weight loss after washing	<b>M</b>	Measurement	4.0	Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.

Blankets synthetic low thermal resistance	Thermal resistance ISO 11092	Specific	Measurement	4.0	Rct= 0.25m <sup>2</sup> .K/W minimum, rounded to the nearest 0.01, passed on samples picked from compressed bales. Mechanical conditioning: after opening of the bale, the blanket shall be dry tumbled in a dryer (500l minimum capacity) without any other load for 15 minutes at a temperature of less than 30°C. Then, the blanket shall be conditioned for at least 24 hours by flat lying at ambient conditions (20°C and 65% Relative Humidity).
	Resistance to air flow	<b>M</b>	Measurement	4.0	Maximum 1000 L/m <sup>2</sup> /s. ISO9237 under 100Pa pressure drop
	Finishing	<b>m</b>	Measurement	6.5	Whipped seam at 10mm from the edge with 10 to 13 stitches/10cm or stitched ribbon or hemmed on 4 sides. The edges finishing should be straight. The corners can be round up to a radius of 100mm maximum.
	Organoleptic test	<b>M</b>	Ok/Nok	4.0	No bad smell, not irritating to the skin, no dust. 4<pH<9. Free from harmful VOC (Volatile Organic Components).
	Fire resistance	<b>C</b>	Ok/Nok	0	Resistance to cigarette - No ignition. ISO12952-1 Resistance to flame - No ignition. ISO12952-2
	Printing of IOM Logo	<b>m</b>	Measurement	6.5	IOM logo should be PRINTED OR HEAT EMBOSSED on the blanket, placing it at dimensions 400 mm across in centre of blanket. The color should Logo printed in white or CMYK. C = 100%, M = 82%, Y = 10%, K = 2%. The size of the logo on the center of the blanket should be 48.5 cm wide and 48.5 cm high.
	Blanket identification	<b>m</b>	Ok/Nok	6.5	Every blanket should include a tag, stitched in the hem. The tag should include the manufacturer's name, a unique reference batch number and the date of manufacturing. No company logo should be included with the manufacturer's marking.
	Homogeneous quality	<b>M</b>	Ok/Nok	4.0	The blankets should be homogeneous and not presenting fibbers missing.

## REFERENCE DRAWING

COLOUR : **PANTONE BLUE** or **CMYK**.

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

