Nonconformities classification: Critical: C, Major: M, Minor: m

Nonconformities ICRC classification 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:

**Critical**:
- Nonconforming characteristic (number of nonconforming items = Rejection number. ISO-2859-1) implies a penalty of 10% of the value of the total PO and is subject to lot refusal.
- A corrective action plan must be implemented by the supplier on its processes addressing root causes of occurrence (production) and of non-detection of the nonconformity (QC).

**Major**:
- Nonconforming characteristic (number of nonconforming items = Rejection number. ISO-2859-1) implies a penalty of 5% of the value of the total PO per each nonconforming characteristic. >10% of non-conforming items is subject to lot refusal.
- A corrective action plan must be implemented by the supplier on its processes addressing root causes of occurrence (production) and of non-detection of the nonconformity (QC).
- 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**:
- Nonconforming characteristic (number of nonconforming items = Rejection number. ISO-2859-1) implies a penalty of 2.5% of the value of the total PO per each nonconforming characteristic. >10% of non-conforming items is subject to lot refusal.
- A corrective action plan must be implemented by the supplier on its processes addressing root causes of occurrence (production) and of non-detection of the nonconformity (QC).
- 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.

Penalty rules for specific nonconformities:

**Thermal resistance for Low Thermal blankets** (AQL 4.0)
- Discrepancy between requirement and the average result of nonconforming blanket 0.15m².K/W >result 0.14m².K/W: 1% of the value of the PO
- 0.14m².K/W >result 0.13m².K/W: 2% of the value of the PO
- 0.13m².K/W >result 0.10m².K/W: 5% of the value of the PO

**Thermal resistance for Medium Thermal blankets** (AQL 4.0)
- Discrepancy between requirement and the average result of nonconforming blanket 0.25m².K/W >result 0.23m².K/W: 1% of the value of the PO
- 0.23m².K/W >result 0.18m².K/W: 2% of the value of the PO
- 0.18m².K/W >result 0.10m².K/W: 5% of the value of the PO

**Thermal resistance for High Thermal blankets** (AQL 4.0)
- Discrepancy between requirement and the average result of nonconforming blanket 0.40m².K/W >result 0.36m².K/W: 1% of the value of the PO
- 0.36m².K/W >result 0.29m².K/W: 2% of the value of the PO
- 0.29m².K/W >result 0.05m².K/W: 5% of the value of the PO

A corrective action plan must be implemented by the supplier on its processes addressing root causes of occurrence (production) and of non-detection of the nonconformity (QC).
- 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 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 ICRC 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 ICRC.

The seller can contest the results of the Quality Control done at ICRC 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.
Marking on the bales

Marking expected: ICRC + BLANKET, SYNTHETIC, 1.5x2m, low thermal resistance - 30 pieces. + PO number. No logo of the supplier allowed. Marking must remain readable and well fixed on the bale after minimum 10 handlings.

Bales length

Measurement Minimum: 65cm; Maximum: 85cm.

Bales width

Measurement Minimum: 40cm; Maxi: 60cm.

Bales height

Measurement Minimum: 55cm; Maxi: 75cm. Height of the bales to be compressed by maximum 60% from free state to final compressed and strapped state.

Bales strapping

Measurement Compressed and strapped with 5 straps (2 lengthwise, 3 crosswise).

Bales quality

OK/NOK Bales to be wrapped in a water-tight micro perforated plastic film and covered with a polypropylene or jute woven bag. Items to not be wrapped in single use plastics.

Content

OK/NOK Quantity per bale: 30 pieces.

Material

C OK/NOK Woven/knitted, dry raised both sides, 100% virgin polyester and/or acrylic fibers or polyester/cotton (Content ISO 1833 on dry weight)

Colours

M OK/NOK 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

Measurement Minimum: 198cm; Maximum: 206cm. To be taken on flat stabilised sample, without folds.

Width

Measurement Minimum: 148.5cm; Maximum: 154.5cm. To be taken on flat stabilised sample, without folds.

Weight

Measurement Minimum: 200g/m²; maximum: 400g/m². Weight determined by total weight/total surface.

Thickness

M Measurement 3.5 mm minimum. ISO 5084 (1KPa on 2000mm²)

Tensile strength

M Measurement 250N warp and weft minimum. ISO13934-1

Tensile strength loss after washing

M Measurement Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO13934-1 and ISO 6330

Shrinkage maxi.

M Measurement Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO630

Weight loss after washing

M Measurement Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.

Thermal resistance ISO 11092

Specific Measurement Rct= 0.15m².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

M Measurement Maximum 1500 L/m²/s. ISO9237 under 100Pa pressure drop

Finishing

m Measurement 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

M OK/NOK No bad smell, not irritating to the skin, no dust. 4<pH<9. Free from harmful VOC (Volatile Organic Components).

Fire resistance

C OK/NOK Resistance to cigarette - No ignition. ISO12952-1 Resistance to flame - No ignition. ISO12952-2

Blanket identification

m OK/NOK 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

M OK/NOK The blankets should be homogeneous and not presenting fibers missing.
## AQL Blankets synthetic medium thermal resistance
### Specifications and Quality Control

**QC Inspection at ICRC warehouses and lab testing**
(Samples of blankets must be from compressed bales)

<table>
<thead>
<tr>
<th>Items</th>
<th>Characteristics</th>
<th>Nonconformities classification</th>
<th>QC type</th>
<th>AQL</th>
</tr>
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<tbody>
<tr>
<td><strong>Bales</strong></td>
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</tr>
<tr>
<td>Marking on the bales</td>
<td>m</td>
<td>Ok/Nok</td>
<td>6.5</td>
<td></td>
</tr>
<tr>
<td>Bales length</td>
<td>m</td>
<td>Measurement</td>
<td>6.5</td>
<td></td>
</tr>
<tr>
<td>Bales width</td>
<td>m</td>
<td>Measurement</td>
<td>6.5</td>
<td></td>
</tr>
<tr>
<td>Bales height</td>
<td>m</td>
<td>Measurement</td>
<td>6.5</td>
<td></td>
</tr>
<tr>
<td>Bales strapping</td>
<td>m</td>
<td>Measurement</td>
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<td></td>
</tr>
<tr>
<td>Bales quality</td>
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<td>Ok/Nok</td>
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<td></td>
</tr>
<tr>
<td>Content</td>
<td>m</td>
<td>Ok/Nok</td>
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</tr>
<tr>
<td>Material</td>
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<tr>
<td>Colours</td>
<td>M</td>
<td>Ok/Nok</td>
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<td>Measurement</td>
<td>6.5</td>
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<td>Weight</td>
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<tr>
<td>Thickness</td>
<td>M</td>
<td>Measurement</td>
<td>4.0</td>
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</tr>
<tr>
<td>Tensile strength</td>
<td>M</td>
<td>Measurement</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Tensile strength loss after washing</td>
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<td>Measurement</td>
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<td>Shrinkage maxi.</td>
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<td>Weight loss after washing</td>
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<td>Measurement</td>
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<tr>
<td>Thermal resistance ISO 11092</td>
<td>Specific</td>
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<tr>
<td>Resistance to air flow</td>
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<td>Measurement</td>
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<td>Fire resistance</td>
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<td>Ok/Nok</td>
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<td>Blanket identification</td>
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<tr>
<td>Homogeneous quality</td>
<td>M</td>
<td>Ok/Nok</td>
<td>4.0</td>
<td></td>
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</tbody>
</table>

**Marking on the bales**
Marking expected: ICRC + BLANKET, SYNTHETIC, 1.5x2m, medium thermal resistance - 20 pieces. + PO number. No logo of the supplier allowed.

Marking must remain readable and well fixed on the bale after minimum 10 handlings.

**Bales length**
Minimum: 65cm ; Maximum:85cm.

Measurement
Minimum: 65cm ; Maximum:85cm. Height of the bales to be compressed by maximum 60% from free state to final compressed and strapped state.

**Bales Quality**
Bales to be wrapped in a water-tight micro perforated plastic film and covered with a polypropylene or jute woven bag.
Items to not be wrapped in single use plastics.

**Material**
Woven/knitted, dry raised both sides, 100% virgin polyester and/or acrylic fibers or polyester/cotton (Content ISO 1833 on dry weight)

**Content**
Quantity per bale: 20 pieces.

**Colour**
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.

**Weight**
Minimum:400g/m2; maximum:700g/m2. Weight determined by total weight/total surface.

**Thickness**
6.5 mm minimum. ISO 5884 (1KPa on 2000mm²)

**Tensile strength**
250N warp and weft minimum. ISO19934-1

**Tensile strength loss after washing**
Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO19394-1 and ISO 6330

**Shrinkage maxi.**
Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO 6330

**Weight loss after washing**
Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.

**Thermal resistance ISO 11092**
Rct= 0.25m².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 tumble in a dryer (ISO 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**
Maximum 1000 L/m²/s. ISO9237 under 100Pa pressure drop

**Finishing**
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**
No bad smell, not irritating to the skin, no dust. 4-pH-8.
Free from harmful VOC (Volatile Organic Components).

**Fire resistance**
Resistance to cigarette - No ignition. ISO12952-1
Resistance to flame - No ignition. ISO12952-2

**Blanket identification**
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**
The blankets should be homogeneous and not presenting fibbers missing.
### Marking on the bales
- **Nonconformities classification:** M
- **AQL:** 6.5
- **QC Inspection at ICRC warehouses and lab testing:** (Samples of blankets must be from compressed bales)
- **Marking expected:** ICRC + BLANKET, SYNTHETIC, 1.5x2m, high thermal resistance - 15 pieces. + PO number. No logo of the supplier allowed.
- **Marking must remain readable and well fixed on the bale after minimum 10 handlings.**

### Bales length
- **Nonconformities classification:** M
- **AQL:** 6.5
- **Measurement:** Minimum: 65cm; Maximum: 85cm.

### Bales width
- **Nonconformities classification:** M
- **AQL:** 6.5
- **Measurement:** Minimum: 40cm; Maxi: 60cm.

### Bales height
- **Nonconformities classification:** M
- **AQL:** 6.5
- **Measurement:** Minimum: 65cm; Maxi: 85cm.
- **Height of the bales to be compressed by maximum 60% from free state to final compressed and strapped state.**

### Bales strapping
- **Nonconformities classification:** M
- **AQL:** 6.5
- **Measurement:** Compressed and strapped with 5 straps (2 lengthwise, 3 crosswise)

### Bales quality
- **Nonconformities classification:** M
- **AQL:** 6.5
- **Ok/Nok:** Bales to be wrapped in a water-tight micro perforated plastic film and covered with a polypropylene or jute woven bag. Items to not be wrapped in single use plastics.

### Material
- **Nonconformities classification:** C
- **AQL:** 0
- **Ok/Nok:** Woven/knitted, dry raised both sides, 100% virgin polyester and/or acrylic fibers or polyester/cotton (Content ISO 1833 on dry weight). If any, inner layer can be non-woven/knitted type.

### Colours
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** 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
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** Minimum: 198cm; Maximum: 206cm. To be taken on flat stabilised sample, without folds.

### Width
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** Minimum: 148.5cm; Maximum: 154.5cm. To be taken on flat stabilised sample, without folds.

### Weight
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** Minimum: 500g/m2; maximum: 1000g/m2. Weight determined by total weight/total surface.

### Thickness
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** 9.5 mm minimum. ISO 5884 (1KPa on 2000mm²)

### Tensile strength
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** 250N warp and weft minimum. ISO13934-1

### Tensile strength loss after washing
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO13934-1 and ISO 6330

### Shrinkage max.
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying. ISO 6330

### Weight loss after washing
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.

### Thermal resistance ISO 11092
- **Nonconformities classification:** Specific
- **AQL:** 4.0
- **Ok/Nok:** Richt 0.40m².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 (500mm 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
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** Maximum 1000 L/m²/s. ISO9237 under 100Pa pressure drop

### Finishing
- **Nonconformities classification:** M
- **AQL:** 6.5
- **Ok/Nok:** 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
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** No bad smell, not irritating to the skin, no dust. 4<pH<9.
- **Free from harmful VOC (Volatile Organic Components).**

### Fire resistance
- **Nonconformities classification:** C
- **AQL:** 0
- **Ok/Nok:** Resistance to cigarette - No ignition. ISO12952-1
- **Resistance to flame - No ignition. ISO12952-2

### Blanket identification
- **Nonconformities classification:** M
- **AQL:** 6.5
- **Ok/Nok:** 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
- **Nonconformities classification:** M
- **AQL:** 4.0
- **Ok/Nok:** The blankets should be homogenous and not presenting fibbers missing.