

**Item application sample**

Blankets are used to provide insulation / protection a

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ainst loss of body

temperature, according to the requirements imposed by climate / temperature

conditions. The insulation capacity of a blanket depends on two factors:

a)

The Thermal Resistance of Garments (TOG)

, a measurement of how well a

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terial resists heat flow, where the higher the TOG rating, the better the

insulation. It has to be noted that the TOG does not depend only on the weight

or the raw material, but also on the fiber quality, the type of weaving or knitting,

and fiber raising.

b)

The Air Permeability of the Material

, where low air permeability will ensure

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tection from draughts, while inherent breatheability allows evacuation of body

perspiration.

**Considerations for the selection of blankets and quills:**

Med

ium thermal blanket:

a blanket with 2.5 TOG is the minimum for

outdoor

use. Blankets with 2.5 TOG are also appropriate for

indoor

use without a heater.

Medium

thermal blankets are recommended for re

fugee camp situations in hot

or mild cold climates / temperatures. It should be noted that even in hot countries,

nights could be cold. Higher TOG values would be required for colder climates.

High thermal blanket:

a blanket with 4.0 TOG is the minimum for indoor us

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cold climates.

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or use of blankets:

when considering outdoor use of blankets, where there

is no wind, in a 10°C temperature, the TOG requirement for blanket is 4.0.

At 0°C temperature, the TOG requirement is 6.0. At -10°C temperature, the TOG

requirement is 8.0 and at -20°C temperature, the TOG requirement is 9.5. Taking

into consideration that part of the insulation would come from the clothing; the

rest should come from the blanket.

Low thermal blanket:

a blanket with 1.5 TOG is considered a low thermal

bla

nket,

which is only appropriate for

indoor

use, on a bed, in a house with heating

facilities. As a practical reference, a person resting

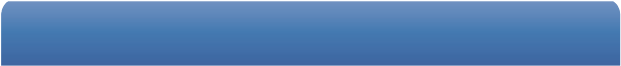
indoor

at 20 °C requires a

total insulation of TOG 1.5. Low Thermal blankets

are not included in UNHCR

Frame Agreements, as they are not suitable for outdoor use.



**General Information and Description**



**Estimated Shipping / Container Information**

Number of blankets per bale = 20

Number of bales per Euro Pallet = 4

Number of Blankets per pallet = 80

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blankets per 20’ DC container (without pallets

2640

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blankets per 40’ DC container (without pallets

5280

blankets per 40’ HQ container (without pallets

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6600

2400

blankets per 20’ DC container (with pallets

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4800

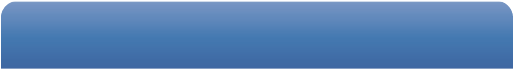
blankets per 40’ DC container (with pallets

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4800

blankets per 40’ HQ container (with pallets

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**Printing of UNHCR Logo**

UNHCR visibility logo should be stitched as a label or inserted / printed / heat

embossed on the blanket, placing the (long lasting) logo on the center of the

bla

nket or in one corner. The size of the logo on the center of the blanket should

be 40 cm width and 48.88 cm height, and 20 cm width and 24.44 height when

placing the logo on a corner of the blanket.

The color of the logo should be white or blue, contrasting with the background

of the blanket. Color specifications for blue printing: Pantone Blue 300 or

quadrichrome (CMYK). C = 100 %, M= 45 %, Y=0 %, K=0%. Typeface: (Font)

Helvetica Bold.

Note: Last updated, 08 March 2011



**Packing**

Synthetic blankets are packed in bales of 20 pieces and the gross weight per

bale is 32 Kg.

Bale dimensions:

length approx. 0.8 m, width approx. 0.5 m and the heig

ht will

depend of the thickness of the blankets at free state.

Bale wrapping:

Bales to be wrapped in a water-tight micro perforated

plastic

film and covered with a polypropylene or jute woven bag. Compressed and

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

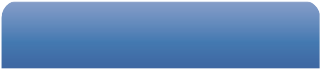
Bale compression:

the height of the bales to be compressed by maximum 40%

from free state to final compressed and strapped state. So, if the bale is 1m

high at free state, it should be compressed to a height of 0.6m at final and

strapped state.



**Pallet Details**

Wooden EURO pallet (EUR 1). Fumigated as per ISPM 15 standard.

Dimensions (W x L x H): 800 x 1200 x 144 mm. Maximum height of the

packed pallet: 115 cm. Pallets should be shrink-wrapped and strapped.

The palletized goods must not exceed the length and width of the pallet.



**Manufacturer Marking**

Every blanket should include a tag, stitched in the he

m, with the manufacturer

identification (letters not higher than 2.5 cm). The tag should include the

manufacture's name, a unique reference batch number and the date of

manufacturing. No company logo should be included with the manufacturer’s

marking.



**BLANKET, SYNTHETIC (Fleece)**

**1.5**

**x 2 m, Medium Thermal**

**UNHCR Item No 05787**



**TECHNICAL SPECIFICATIONS**

**Denomination and norms**

**Required minimum values**

1.

Material:

2.

Make:

3.

Content:

ISO 1833 on dry weight

4.

Dimensions / Size:

5.

Weight:

6.

Thickness:

ISO 5084

7.

Tensile strength:

ISO13934-1

8.

Tensile strength loss after washing:

ISO13934-1 and ISO 6330

9.

Shrinkage:

maxi. ISO 6330

10.

Weight loss after washing:

11.

Thermal resistance:

ISO 5085-1

12.

Resistance to air flow:

ISO9237 under 100Pa pressure drop

13.

Finish:

14.

Organoleptic test:

15.

Fire resistance:

ISO12952-1&2

16.

Fire resistance:

ISO12952-3&4

17.

Colors:

Synthetic blankets are made of virgin fibers from po

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es

ter or acrylic materials. Some cotton

may be included in the yarns.

Knitted or woven, dry raised both sides.

100

% virgin polyester and/or acrylic fibers or polyester/cotton.

150

x 200cm +3%/-1%. To be taken on flat stabilized sample, without folds.

to 670g/m2 Weight determined by total weight/total surface.

350

2).

3

mm minimum (1KPa on 2000mm

250

N warp and weft minimum.

Maximum 5% warp and weft after 3 consecutive machine washing at 30ºC and one flat drying.

Maximum 5% warp and weft after 3 consecutive machine washing at 30ºC and one flat drying.

Maximum 5% after 3 consecutive machine washing at 30ºC and one flat drying.

TOG 2.5 (or 0.25m2.K/W) minimum, rounded to the nearest 0.1, passed on samples picked

from compressed bales after 3 consecutive machine washing at 30ºC and one flat drying.

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Maximum 1000 L/m2/s.

Whipped seam at 10mm from the edge with 10 to 13 stitches/10cm or stitched ribbon or

hemmed on 4 sides.

No bad smell, not irritating to the skin, no dust. 4<pH<9.

Free from harmful VOC (Volatile Organic Components).

Fit for human use.

Resistance to cigarette - No ignition

Resistance to flame - No ignition

Other than black, red, or white, dark uniform color (i.e. dark blue, grey or brown).

**Important Requirement Regarding Laboratory Testing Conditions:**

Specification under the normal textile test conditioning ISO139, 65% moisture and 20°C for 24h.

Samples for testing purpose:

samples of blankets must be from compressed bales and

a

ll criteria to be passed on the same sample.

Samples of compressed bales to be prepared with only 5 blankets folded once more than in normal bales, at 40% compression ratio, and to remain

compressed for one week minimum before testing.

