QSE Working Group

	Status	**VALIDATED**
	Date	27/01/2026
	Version	1

Unified Technical Specifications: Blanket, Synthetic, Low Thermal Resistance

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

	Characteristics	Non conformities classification	QC type	AQL	Requirements
Bales	Marking on the bales	**m**	Ok/Nok	6,5	Marking expected: BLANKET, SYNTHETIC, 1.5x2m, low thermal resistance 30 pieces. Marking must remain readable and well fixed on the bale after minimum 10 handlings. No supplier's logo allowed.
	Bales length	**m**	Measurement	6,5	Minimum: 650 mm; Maximum: 850 mm.
	Bales width	**m**	Measurement	6,5	Minimum: 400 mm; Maximum: 600 mm.
	Bales height	**m**	Measurement	6,5	Minimum: 550 mm; Maximum: 750 mm. Height of the bales to be compressed by maximum 60% from free state to final compressed and strapped state.
	Bales strapping	**m**	Measurement	6,5	Compressed and strapped with 5 straps (2 lengthwise, 3 crosswise)
	Bales quality	**m**	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. Items not to be wrapped in single use plastics. No individual packing of the blankets.
	Content	**m**	Ok/Nok	6,5	Quantity per bale: 30 pieces.
Item Specifications	Material	**C**	Ok/Nok	0	Woven/knitted, dry raised both sides, 100% polyester (Content ISO 1833 on dry weight)
	Recycled material				Depending on the terms of the contract, using material from recycled origin can be either mandatory or preferred. As described by the Circular Plastic Alliance of the EU commission in EN 45557 and the US Federal Trade Commission Green Guides in accordance with ISO14021 principles, recycled plastic includes post-industrial recycled (PIR) and post-consumer recycled (PCR), it excludes reworked material. In this last case, even though using waste from the same production is accepted, it does not count as material from recycled origin. Note that PCR is preferred to PIR.
	Colours	**M**	Ok/Nok	4,0	A uniform dark colour that is not black (e.g. dark blue, grey, brown). No red or white or military green. Colour should be well fixed and not run with washing.
	Length	**m**	Measurement	6,5	Minimum: 1980 mm; Maximum: 2060 mm. To be taken on flat stabilised sample, without folds.
	Width	**m**	Measurement	6,5	Minimum: 1485 mm; Maximum: 1545 mm. To be taken on flat stabilised sample, without folds.
	Weight	**m**	Measurement	6,5	Minimum: 200 g/m2; maximum: 400 g/m2. Weight determined by total weight/total surface.
	Thickness	**M**	Measurement	4,0	3.5 mm minimum. ISO 5084 (1KPa on 2000mm²)
	Tensile strength	**M**	Measurement	4,0	250N warp and weft minimum. ISO13934-1
	Tensile strength loss after washing	**M**	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 maximum	**M**	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	**M**	Measurement	4,0	Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.
	Thermal resistance ISO 11092	Specific	Measurement	4,0	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	4,0	Maximum 1500 L/m²/s. ISO9237 under 100Pa pressure drop
	General quality	**M**	Ok/Nok	4,0	Free from any manufacturing defects such as skewing of the blanket, improper cutting of sewn layers, significant shortening or lengthening of sewn layers, poor quality of stitches.
	Finishing	**m**	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	**M**	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	**C**	Ok/Nok	0	Resistance to cigarette- No ignition. ISO12952-1, Resistance to flame- No ignition. ISO12952-2
	Blanket identification	**m**	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	**M**	Ok/Nok	4,0	The blankets should be homogeneous and not presenting fibers missing.

QSE Working Group

	Status	**VALIDATED**
	Date	27/01/2026
	Version	1

Unified Technical Specifications: Blanket, Synthetic, Medium Thermal Resistance

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

	Characteristics	Non conformities classification	QC type	AQL	Requirements
Bales	Marking on the bales	**m**	Ok/Nok	6,5	Marking expected: BLANKET, SYNTHETIC, 1.5x2m, medium thermal resistance 20 pieces. Marking must remain readable and well fixed on the bale after minimum 10 handlings. No supplier's logo allowed.
	Bales length	**m**	Measurement	6,5	Minimum: 650 mm; Maximum: 850 mm.
	Bales width	**m**	Measurement	6,5	Minimum: 400 mm; Maximum: 600 mm.
	Bales height	**m**	Measurement	6,5	Minimum: 650 mm; Maximum: 850 mm. Height of the bales to be compressed by maximum 60% from free state to final compressed and strapped state.
	Bales strapping	**m**	Measurement	6,5	Compressed and strapped with 5 straps (2 lengthwise, 3 crosswise)
	Bales quality	**m**	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. Items not to be wrapped in single use plastics. No individual packing of the blankets.
	Content	**m**	Ok/Nok	6,5	Quantity per bale: 20 pieces.
Item Specifications	Material	**C**	Ok/Nok	0	Woven/knitted, dry raised both sides, 100% polyester (Content ISO 1833 on dry weight)
	Recycled material				Depending on the terms of the contract, using material from recycled origin can be either mandatory or preferred. As described by the Circular Plastic Alliance of the EU commission in EN 45557 and the US Federal Trade Commission Green Guides in accordance with ISO14021 principles, recycled plastic includes post-industrial recycled (PIR) and post-consumer recycled (PCR), it excludes reworked material. In this last case, even though using waste from the same production is accepted, it does not count as material from recycled origin. Note that PCR is preferred to PIR.
	Colours	**M**	Ok/Nok	4,0	A uniform dark colour that is not black (e.g. dark blue, grey, brown). No red or white or military green. Colour should be well fixed and not run with washing.
	Length	**m**	Measurement	6,5	Minimum: 1980 mm; Maximum: 2060 mm. To be taken on flat stabilised sample, without folds.
	Width	**m**	Measurement	6,5	Minimum: 1485 mm; Maximum: 1545 mm. To be taken on flat stabilised sample, without folds.
	Weight	**m**	Measurement	6,5	Minimum: 400g/m2; maximum: 700g/m2. Weight determined by total weight/total surface.
	Thickness	**M**	Measurement	4,0	6.5 mm minimum. ISO 5084 (1KPa on 2000mm²)
	Tensile strength	**M**	Measurement	4,0	250N warp and weft minimum. ISO13934-1
	Tensile strength loss after washing	**M**	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 maximum	**M**	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	**M**	Measurement	4,0	Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.
	Thermal resistance ISO 11092	Specific	Measurement	4,0	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 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	4,0	Maximum 1000 L/m²/s. ISO9237 under 100Pa pressure drop
	General quality				Free from any manufacturing defects such as skewing of the blanket, improper cutting of sewn layers, significant shortening or lengthening of sewn layers, poor quality of stitches.
	Finishing	**m**	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	**M**	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	**C**	Ok/Nok	0	Resistance to cigarette- No ignition. ISO12952-1, Resistance to flame- No ignition. ISO12952-2
	Blanket identification	**m**	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	**M**	Ok/Nok	4,0	The blankets should be homogeneous and not presenting fibbers missing.

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	Status	**VALIDATED**
	Date	27/01/2026
	Version	1

Unified Technical Specifications: Blanket, Synthetic, High Thermal Resistance

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

	Characteristics	Non conformities classification	QC type	AQL	Requirements
Bales	Marking on the bales	**m**	Ok/Nok	6,5	Marking expected: BLANKET, SYNTHETIC, 1.5x2m, high thermal resistance 15 pieces. Marking must remain readable and well fixed on the bale after minimum 10 handlings. No supplier's logo allowed.
	Bales length	**m**	Measurement	6,5	Minimum: 650 mm; Maximum: 850 mm.
	Bales width	**m**	Measurement	6,5	Minimum: 400 mm; Maximum: 600 mm.
	Bales height	**m**	Measurement	6,5	Minimum: 650 mm; Maximum: 850 mm. Height of the bales to be compressed by maximum 60% from free state to final compressed and strapped state.
	Bales strapping	**m**	Measurement	6,5	Compressed and strapped with 5 straps (2 lengthwise, 3 crosswise)
	Bales quality	**m**	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. Items not to be wrapped in single use plastics. No individual packing of the blankets.
	Content	**m**	Ok/Nok	6,5	Quantity per bale: 15 pieces.
Item Specifications	Material	**C**	Ok/Nok	0	Woven/knitted, dry raised both sides, 100% polyester (Content ISO 1833 on dry weight)
	Recycled material				Depending on the terms of the contract, using material from recycled origin can be either mandatory or preferred. As described by the Circular Plastic Alliance of the EU commission in EN 45557 and the US Federal Trade Commission Green Guides in accordance with ISO14021 principles, recycled plastic includes post-industrial recycled (PIR) and post-consumer recycled (PCR), it excludes reworked material. In this last case, even though using waste from the same production is accepted, it does not count as material from recycled origin. Note that PCR is preferred to PIR.
	Colours	**M**	Ok/Nok	4,0	A uniform dark colour that is not black (e.g. dark blue, grey, brown). No red or white or military green. Colour should be well fixed and not run with washing.
	Length	**m**	Measurement	6,5	Minimum: 1980 mm; Maximum: 2060 mm. To be taken on flat stabilised sample, without folds.
	Width	**m**	Measurement	6,5	Minimum: 1485 mm; Maximum: 1545 mm. To be taken on flat stabilised sample, without folds.
	Weight	**m**	Measurement	6,5	Minimum: 500 g/m2; maximum: 1000 g/m2. Weight determined by total weight/total surface.
	Thickness	**M**	Measurement	4,0	9.5 mm minimum and 13mm maximum. ISO 5084 (1KPa on 2000mm²)
	Tensile strength	**M**	Measurement	4,0	250N warp and weft minimum. ISO13934-1
	Tensile strength loss after washing	**M**	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 maximum	**M**	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	**M**	Measurement	4,0	Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.
	Thermal resistance ISO 11092	Specific	Measurement	4,0	Rct= 0.40 m².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	4,0	Maximum 1000 L/m²/s. ISO9237 under 100Pa pressure drop
	General quality				Free from any manufacturing defects such as skewing of the blanket, improper cutting of sewn layers, significant shortening or lengthening of sewn layers, poor quality of stitches.
	Finishing	**m**	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	**M**	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	**C**	Ok/Nok	0	Resistance to cigarette- No ignition. ISO12952-1, Resistance to flame- No ignition. ISO12952-2
	Blanket identification	**m**	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	**M**	Ok/Nok	4,0	The blankets should be homogeneous and not presenting fibbers missing.