



Sheet, Tarpaulin 4mx6m, reinforcement bands

Overview

Specifications	
Item code	1100000013
Unit weight	4.488kg - 5.44kg
Unit volume	0.00864m3

Finishing

• Finish size: 4mx6m

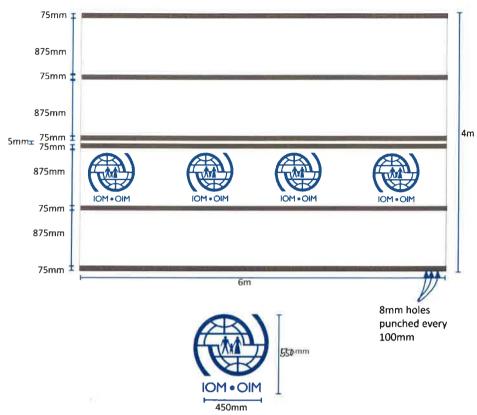
• Reinforced bands along edges

• Pre-punched at 0.1m intervals. Further details below.

Note: In laboratory testing, this system has proven to be stronger than when eyelets are used.

IOM logo size and placement

Colour: C100 M82 Y10 K2



Description

Notes

IOM has moved its standard specification to either rolls or 4mx6m sheets, with reinforcement bands and pre-punched holes, rather than eyelets. This specification is in line with ICRC/IFRC and is based on over fifteen years of laboratory testing and proven field experience.

For further information please visit plastic-sheeting.org or contact sheltersupport@iom.int. The current ICRC/IFRCzstandard specification detailed below is in line with the online catalogue: procurement.ifrc.org/catalogue

Plastic Sheeting Specifications: Summary of material requirements	
Material for the plain	Woven high-densitypolyethylene (HDPE) black fibers fabric laminated on both
sheet	sides with whitelow density polyethylene (LDPE) coating.

Material for the reinforced attachment points (sheets)	6 bands of 7.5cm widthmade of woven black HDPE fibers fabric and coated with grey LDPE on theoutside. Pre-punched 8mm holes onthe 2 side bands at 0.1m +/-10% intervals, positioned in the center of thebands (only the reinforcement bands are pre-punched, not the tarpaulinitself). Position of the 6 bands and pre-punched holes as per drawing below. Side bands can be positioned at maximum 10mm from the edge. Dimension tolerance on the distance between two bands: +/-10mm
Tear strength in plain	Minimum 100N under ISO 4674-1B 2003, with a test piece of 200x200mm as
sheet at state of origin	described in ISO 4674 annex B , in plain sheet
Tensile strength in	, in plant of the state of the
plain sheet at state of origin	Minimum 500N and 15% to 35% elongation in warp and weft in plain sheet under ISO 1421-1.
UV resistance of the	The tarpaulin tensile strength under ISO 1421-1 after 1500 hours UV under
plain sheet, measured	ASTM G53/94 (UVB 313 nmpeak) must be:
as remaining tensile	- Minimum 80% of the original value of the actual product, AND not less than
strength after UV	475N;
exposure	- Tested in the plain sheet.
Tensile strength in the	Minimum 700N inside the reinforcement bands as per ISO 1421-1, pulling
reinforcement bands at	lengthwise in a pre-punched hole of 8mm with a hook of 8mm wire diameter. To
state of origin	test in 2 holes in each side bands.
UV resistance of the	The reinforcement bands tensile strength under ISO 1421-1 after 1500 hours UV
reinforcement bands	under ASTM G53/94 (UVB313 nm peak) must be:
measured as	- Minimum 80% of the original value of the actual product, AND not less than
remaining tensile	665N;
strength after UV exposure	- To be tested inside the reinforcement bands as described above.
Welding number and strength at state of origin	Only one welding allowed,in the middle of the sheet, length wise. The tarpaulin tensile strength crossways at the place of the welding under ISO 1421-1 must be: - Minimum 50% of the original value of the actual product, AND not less than 400N. Size, weight, colour, fire resistance.
Width	4 m ± 1% net width
Length	6m minimum net length
Weight,plain sheet only, excluding the bands weight	190g/m² ± 20g under ISO3801 (equivalent to 170g/m²minimum to 210g/m² maximum)
Weight,complete sheet	Plain sheet specificweight plus 10% additional weight for the reinforcement bands under ISO 3801.
including bands	Total weight from 187g/m²minimum and 231g/m2 maximum.
weight.	Specific weight of the bands from 150g/ m2 minimum and 200g/m² maximum.
Flame retardant	Not mandatory for the time being.
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Colour	White, sun reflective on both sides of the sheet. Grey coating on the outside of
	the bands. Inner black fibres to ensure opacity.
	White Coating colour definition:
	- L.a.b Coordinates under ISO 105J01
	- Minimum L: 82
	- "a" value between -1.7 and +1.5
	- "b" value between -4.5 and 0
	Minimum reflection and absorption percentage, measured under ISO 13468-1, in
Opacity	the range of visible light and near infrareds (respectively from 350 to 750nm, and
	from 750 to 2500nm wavelength).
	Minimum total reflection: 35%
	Maximum total reflexion: 50%
	Maximum total transmission : 5%
	Continuous indelible printing in white colour of the manufacturer name, the
Printing	month and year of production (Letters of 2.5cm high +/10%). Length indicator
	marks every meter.
	Length: 600mm
Bale Dimensions	Width: 400mm
	Height: 180mm (+/-20%)
	There must be 5 tarpaulins per bale.
Bale Marking	As per indicated in contract.
	The bale must be wrapped with a piece of similar material as the one of the
	tarpaulins.
Bale protection	The wrapping must be properly folded, closely tight to the bale content, making a
	well-shaped cubic bale.
	Inside the bales the tarpaulins are not individually wrapped.
D. 1	The bale must be strapped with 2 heat-sealed plastic straps for the length and 2
Bale strapping	for the cross.
	A line of six (6)OM logos must be printed on one side of the sheet, across the six
	meter side, placed one meter from the bottom edge of the six-meter side. For
	IOM logo printing details, see the Logo placement guideline where size of logo is
Printing of IOM Logo	45 cm wide and 55 cm height.
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	The logo should be printed in PANTONE BLUE or CMYK. C = 100%, M = 82%,
	Y = 10%, K = 2%.
	Marking on the package must indicate the following details:
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	1.Indicate IOM Logo
	2. Item name and material code, IOM Plastic Sheets 1100000013.
Packing Information	3. PO number and Quantity,
<u> </u>	4. Batch number and Manufacturing date
	5. Packing units: To be marked with consecutive numbers (i.e 1/20, 2/20)
	6. Indicate Gross Weight and Dimension
	Do NOT include logo of the vendor. Marking must remain readable and well fixed

	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.
Packaging Detail	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.

Key Considerations

