



Reinforced Plastic Tarpaulin

UNICEF/UNFPA Standard



Fire retardant



Waterproof



UV stabilised



Logo customisable



› Key Features

- › Reinforced plastic tarpaulin in 4 m x 5 m sheet or 4 m x 50 m roll developed by International Research Project and designed for long outdoor use in all climates.
- › Made of woven high density black polyethylene (HDPE) fibres, warp x weft, laminated on both sides with low density polyethylene (LDPE) coating.
- › Features fire retardant, waterproof and UV-resistant properties.
- › Serves as a highly recommended option for family shelter protection.

› Dimensions

Width and length

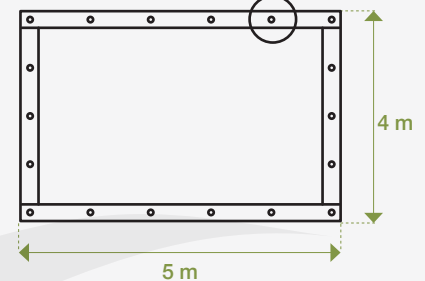
Size / sheet 4 x 5 m ±1%

Size / roll 4 x 50 m ±1%

› Technical Specifications

Materials	190 ±20 g/m ² woven polyethylene (HDPE) inner black fibres, warp x weft, laminated on both sides with LDPE white coating
Denier	Min 1,000
Tensile strength	Min 600N both directions warp and weft (ISO-1421-1)
Tear strength	Min 100N both directions (BS 4303 wing tear or equivalent) or under ISO 4674 (A2)
UV resistance	Max 5% loss of original tensile strength under ISO 1421 after 1,500 hours UV under ASTM G53/94 (UVB 313 nm peak)
Welding	Only one is allowed, lengthwise. Min resistance 80% of original tarpaulin tensile strength in the weft under ISO 1421 plus additional procedure
Eyelets	Aluminium reinforcement eyelets or equivalent on 4 sheet sides of single sheets at 100 ±5 cm centre to centre, providing very strong fixation points

› Graphic Reference





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› Packing and Shipping

	4 x 5 m sheet Unpalletised	4 x 5 m sheet CRI Pallets	4 x 50 m roll Unpalletised	4 x 50 m roll CRI Pallets
Content	5 pieces	20 bales (100 pieces)	1 roll	10 bales (10 rolls)
Dimensions	56 x 39 x 20 cm ±20%	113 x 77 x 115 cm ±20%	78 x 56 x 20 cm ±20%	113 x 77 x 115 cm ±20%
Weight	20 kg ±20%	410 kg ±20%	36.5 kg ±20%	380 kg ±20%
Volume	0.044 m ³ ±20%	1.00 m ³ ±20%	0.087 m ³ ±20%	1.00 m ³ ±20%

› Estimated Loadability²

Containers	4 x 5 m sheet Unpalletised	4 x 5 m sheet CRI Pallets	4 x 50 m roll Unpalletised	4 x 50 m roll CRI Pallets
20' GP	660 bales (3,300 pieces)	28 pallets (2,800 pieces)	380 rolls	28 pallets (280 rolls)
40' DC	1,400 bales (7,000 pieces)	60 pallets (6,000 pieces)	710 rolls	60 pallets (600 rolls)
40' HC	1,500 bales (7,500 pieces)	60 pallets (6,000 pieces)	710 rolls	60 pallets (600 rolls)

¹ Pass CPAI section 5 and 6 as per UNHCR standard with maximum 10s after flame average and maximum 30s after flame per test piece
Ageing under ISO 4892-2, type A, 360 hours.

² The loadability provided is based on the maximum volume and weight capacity of the containers. This might change due to road weight restrictions in the country of destination. Please contact our sales team for further clarifications.

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