Product key features
Reinforced Plastic Tarpaulin

- UNHCR/UNICEF standard
- Fire retardant (optional)*, waterproof, rotproof and UV-resistant
- Reinforced plastic tarpaulin in 4m x 5m sheet or 4m x 50m roll developed by international research project and designed for long outdoor use in all climates
- Made of woven high density black polyethylene (HDPE) fibers, warp x weft, laminated on both sides with low density polyethylene (LDPE) coating
- Highly recommended for family shelter protection.

Reinforced Plastic Tarpaulin -
UNHCR/UNICEF Standard

Materials

- All our materials are UV-proof, waterproof, rotproof and fire retardant [1]
- Marking and logo customised to your requirements.

Technical specifications

Dimensions

Size / sheet	4.00 x 5.00 m ±1%
Size / roll	4.00 x 50.00 m ±1%

Materials	
Sheet / roll	190 gsm ±20 g/m² woven Polyethylene (HDPE) inner black fibers, warp x weft, laminated on both sides with LDPE coating
Denier	Min 1000
Tensile strength	Min 600N both directions warp and weft (BS 2576, 50mm grab test or equivalent)
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 1500 hours UV under ASTM G53/94 (UVB 313nm peak)
Welding	Only 1 is allowed, lengthwise. Min resistance 80% of original tarpaulin tensile strength in the weft under ISO 1421 plus additional procedure
Eyelets	Aluminum reinforcement eyelets or equivalent on 4 sheet sides of single sheets at 100cm (±5 cm) Centre to Centre, providing very strong fixation points

Packing & shipping

4 x 5 m sheet	
Content per bale	5pcs
Weight per bale	20 kg
Dimension per bale	56 x 39 x 20 cm
Volume per bale	0.0437 cbm
Bale per pallet	20 bales (100 pcs)
Weight per pallet	414 kg
Dimension per pallet	112 x 78 x 114 cm
Volume per pallet	0.9959 cbm

Estimated loadability [2]		
Container	With pallet	Without pallet
20' GP container	28 pallets (2,800 pcs)	3,300 pcs
40' GP container	60 pallets (6,000 pcs)	6,500 pcs (due to weight restriction)
40' HC container	60 pallets (6,000 pcs)	6,500 pcs (due to weight restriction)

Roll of 4 x 50 m sheet (in roll form)	
Content	1 roll
Weight per roll	36.50 kg
Dimension per roll	220 x 20 x 20 cm
Volume per roll	0.088 cbm
Roll per cage	50 rolls
Weight per cage	1,746 kg
Dimension per cage	224 x 115 x 224 cm
Volume per cage	5.77 cbm

Estimated loadability [2]		
Container	With cages	Without cages
20' GP container	5 cages (250 rolls)	380 rolls
40' GP container	10 cages (500 rolls)	710 rolls (due to weight restriction)
40' HC container	10 cages (500 rolls)	710 rolls (due to weight restriction)

Roll of 4 x 50 m sheet (in bale form)	
Content	1 roll per bale
Weight per roll	36.50 kg
Dimension per roll	56 x 78 x 17 cm
Volume per roll	0.0743 cbm
Roll per pallet	12 rolls
Weight per pallet	452 kg
Dimension per pallet	112 x 78 x 115 cm
Volume per pallet	1.0047 cbm

Estimated loadability [2]		
Container	With pallet	Without pallet
20' GP container	28 pallets (336 rolls)	380 rolls
40' GP container	58 pallets (696 rolls)	710 rolls (due to weight restriction)
40' HC container	58 pallets (696 rolls)	710 rolls (due to weight restriction)

- [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.