



## 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\*
- Marking and logo customised to your requirements.

### Technical specifications

#### Dimensions

Size / sheet	4.00 x 5.00 m $\pm 1\%$
Size / roll	4.00 x 50.00 m $\pm 1\%$

Materials	
Sheet / roll	190 gsm $\pm 20$ g/m <sup>2</sup> 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 ( $\pm 5$ cm) Centre to Centre, providing very strong fixation points

## Packing & shipping

4 x 5 m sheet		Estimated loadability		
Content per bale	5pcs	Container	With pallet	Without pallet
Weight per bale	20 kg	20' GP container	28 pallets (2,800 pcs)	3,300 pcs
Dimension per bale	56 x 39 x 20 cm	40' GP container	60 pallets (6,000 pcs)	6,500 pcs (due to weight restriction)
Volume per bale	0.0437 cbm	40' HC container	60 pallets (6,000 pcs)	6,500 pcs (due to weight restriction)
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			

  

Roll of 4 x 50 m sheet (in roll form)		Estimated loadability		
Content	1 roll	Container	With cages	Without cages
Weight per roll	36.50 kg	20' GP container	5 cages (250 rolls)	380 rolls
Dimension per roll	220 x 20 x 20 cm	40' GP container	10 cages (500 rolls)	710 rolls (due to weight restriction)
Volume per roll	0.088 cbm	40' HC container	10 cages (500 rolls)	710 rolls (due to weight restriction)
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			

  

Roll of 4 x 50 m sheet (in bale form)		Estimated loadability		
Content	1 roll per bale	Container	With pallet	Without pallet
Weight per roll	36.50 kg	20' GP container	28 pallets (336 rolls)	380 rolls
Dimension per roll	56 x 78 x 17 cm	40' GP container	58 pallets (696 rolls)	710 rolls (due to weight restriction)
Volume per roll	0.0743 cbm	40' HC container	58 pallets (696 rolls)	710 rolls (due to weight restriction)
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			

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