

SportsPlay Shade Structure Specifications

SPECIFICATIONS

Manufactured from knitted High Density Polyethylene.

Base product	HDPE G.F. 7740.72 - Only virgin raw material is used, otherwise color and weatherability will be affected.
Monofilament Round Yarn	350 Dernier / 0,21 mm Ø
Breaking Strain	1,8 kg.* Tested individually
Monotape Flat Yarn	369 Dernier / 1,02 mm x 40 micron
Breaking Strain	2,0 kg. * Tested individually
Elasticity of both	25 to 30 %
Knitting pattern	Max. 6 needles / inch. Lock stitched on weft and knitting bar.
Weight to burst ratio	Exceeds SABS 1703 specification
UV stabilizer in end product	0,8 % effective.
Warp tear test ave.	100 kg
Elongation	50 %
Weft tear test ave.	210 kg
Elongation	25 %
Burst Strength	260 kPA
Fabric Mass	+/- 195 gram / m ² (+/- 5 %)

Weatherability

Hindered amine light stabilizers. Chimisorb 944 for all Colors except black. The minimum Chimisorb 944 in the final product to be 0,8 % effective. Carbon black particle size 22nm and the minimum in the final product will be 2,5 % effective. All Colors are pigmented with a light fastness of 7 to 8, which has the highest resistance to fading. 8 year product guarantee on UV stability.

Shade & U.V. Percentages

Color Shadenet:	Shade %	UV % protection
Grass Green	70	90
Royal Blue	90	94
Sunflower Yellow	70	91
Red	84	83

Steel Tubing and Wire Rope (Cabling)

Round, tubing with a wall thickness, which exceeds 2 mm.	Grade 300 WA, Cold - Formed Welded & Seamless Carbon Steel Tubing in accordance to ASTM A 500. Outside Diameter is 3"
Galvanizing	55 microns minimum.

Components and fittings

Standard height is 8' (10' post with 2' in-ground) on the outside perimeter and 10' in the middle
Warranty on fabric and components: 1 year. Warranty does not cover vandalism, acts of God, color fade.

Raw Material	Grade 300 WA Flat Bar.
Manufacturing	MIG Welded on CNC machined & jigged production line.

Galvanizing

Hot dipped to 55 microns minimum.

Bolts & Nuts

High & Std. tensile galvanized bolts, BSP threaded in metric size. All nuts are nylock type.