



## TECHNICAL SPECIFICATIONS 2017

### *Pool & Patio Shade Sails*

#### 1. WARRANTY

- A. Apollo Sunguard Systems, Inc. provides a limited 15-year non-prorated warranty for all polyethylene covers against deterioration, rot, or faulty workmanship including seam failure.

#### 2. SHADE FABRIC MATERIALS

- A. Apollo SUNGUARD SHADE CLOTH®: High density polyethylene fabric with ultraviolet blocking additives.
- B. Fabric is knitted providing stability and fraying resistance when cut. Fabric is fabricated with monofilament and tape construction for additional stability.
- C. Apollo SUNGUARD SHADE CLOTH® - Z25 :
  - i. Fabric Mass: 200 gsm
  - ii. Tear Strength
    - i. Warp 100 kg 220 lbs
    - ii. Weft 210 kg 462lbs
    - iii. Bursting Pressure 2600 kPa
    - iv. Bursting Force 1200 N
- D. Apollo SUNGUARD SHADE CLOTH® - C95 :
  - i. Fabric Mass: 340 gsm
  - ii. Tear Strength
    - a. Warp 635 N/50mm
    - b. Weft 2494 N/50mm
    - c. Bursting Pressure 3500 kPa
    - d. Bursting Force 2146 N
- E. Apollo SUNGUARD SHADE CLOTH® - EX32 :
  - i. Fabric Mass: 310 gsm
  - ii. Tear Strength

- a. Warp 450 N
- b. Weft 1721 N
- c. Bursting Pressure 3400 kPa
- d. Bursting Force 1970N

F. Apollo SUNGUARD SHADE CLOTH® - MONO:

- i. Fabric Mass: 370 gsm
- ii. Tear Strength
  - a. Warp 1433 N/50mm
  - b. Weft 2210 N/50mm
  - c. Bursting Pressure 4750 kPa
  - d. Bursting Force 3011 N

G. Apollo SUNGUARD SHADE CLOTH® - DRI-Z:

- i. Fabric Mass: 280 gsm
- ii. Tear Strength
  - a. Warp 616 N
  - b. Weft 1143 N
  - c. Bursting Pressure 2400 kPa
  - d. Bursting Force 1200 N

H. Fabric Corners & Hemmed Edges: Fabric cover fabricated with PTFE coated UV resistant thread. Fabric connection points & cable exit points to be triple reinforced and heat sealed with vinyl interfacing inserted and sewn between layers of reinforcement. Fabric shall be pre-stressed prior to fabrication.

- i. W. L. Gore Tenara
- ii. Solar Fix

I. Fire Rating:

- i. ASTM E 84: Class 1, Flame Spread 15, Smoke Developed 15
- ii. NFPA 701 Test Method 2 test
- iii. FFPC Florida Fire Prevention Code
- iv. Specific fabric type meets California State Fire Marshall Requirements, Section 13115 of California Health & Safety Code. Limited fabrics available. Inquire for available selection.

J. Shade Percentage: 60 percent to 95 percent (varies by fabric color).

K. UVB Block: 83 percent to 96 percent (varies by fabric color).

L. Colors: Color as selected from the manufacturer's standard selections.