



**Product Part Number(s):**

ES-SPA

**Product Description:**

ENERGYSAVER SPA COVER

## WRITTEN SPECIFICATIONS

### PE Fabrics:

- High Density Polyethylene (HDPE) fabric consist of clear, UV resistant, woven tapes, protected on both sides with 2 mil Low Density Polyethylene (LDPE), UV stabilized with UV inhibitor and chemically resistant coating. Overall thickness: 8 mils ( $\pm 0.25$  mils). Overall weight: 4.95 ounce/square yard; ASTM D1919-75
- Color: blue and black.
- Tape count on standard cover (minimum) 12 X 10 per square inch.
- Tape thickness (minimum) 1,100 denier.

### PE Foam:

- Consists of white, closed cell, irradiated cross-linked,  $\frac{1}{8}$ " thick, density: 2 pound per cubic foot, polyethylene and enhanced with proprietary Ethylene Vinyl Acetate (EVA) additive.

### Physical Properties:

- Tensile strength (Grab Breaking Strength): 371 lbs. (ASTM-D 5034)
- Tongue tear resistance: 87 lbs. (ASTM-D 2261)
- Mullen burst strength: 500 psi (ASTM-D 751)
- Pull strength: 1,260 psi
- Seam tear resistance: 85 lbs.
- Insulating ('R') value: 0.5/ft<sup>2</sup>. hr. °F/Btu – (ASTM-D 2326)
- Flammability: 0 speed rating (ASTM-E 84)
- Abrasion resistance: 0.00466 grams/1,000 cycles (ASTM-D 3389)
- Laminate has minimum 99% foam-fabric adhesion and maximum 1¼% overall shrinkage after 15 minute full immersion boil test.
- Laminate is non-permeable due to closed cell foam, LDPE coating and flame lamination.
- Service temperature range: - 40° to + 160° Fahrenheit.
- Chemical resistance is excellent due to polyethylene-based material.
- Thickness after lamination process: 0.120" ( $\pm 0.06$ " )

### Cover Construction:

Laminated materials are sewn together by using double needle, lockstitch machine with size 138 bonded, yarn-dyed black, UV resistant, polyester thread. Encapsulated with two (2) layers of 12 X 10 woven PE fabrics. Each 'pull-point' location is reinforced with non-corrosive brass. Solid  $\frac{3}{4}$ " diameter white Ultra High Molecular Weight polyethylene (UHMW-PE) dowel coupled with  $\frac{1}{4}$ " solid braided white polyester cord is securely tied to the 'pull-point' of the cover for easy cover retrieval. Ladder and rail cut-outs, hinges and rounded corners are incorporated into the cover(s) (note: precautions are taken by rounding and reinforcing cut-out corners to prevent stress tears).

ASTM approved safety /warning labels shall be securely attached to each completed pool cover. And in accordance with ASTM standards, safety/warning labels are positioned in such a way that they are visible from and around the pool deck.



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**Cover Configuration and Dimensions:**

Cover configuration and dimensions are customized for each application.

Specification Number:	<b>SRS-I107</b>		<p>S.R. Smith, LLC        1017 SW Berg Parkway        Canby, Oregon 97013        Tel: 1 (800) 824-4387        www.srsmith.com</p>
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