

# **StormSack Specification Sheet**

Product No.: 9749-1C-000

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## **Physical Properties:**

1. Weight (Empty): 30 lb Max
2. Material:
  - a) Adjustable flange and deflector: Aluminum alloy 6063-T6
  - b) StormSack: Woven polypropylene geotextile
  - c) Mesh Liner: HDPE, Diamond Pattern
  - d) Lifting Tabs: Aluminum alloy: 5052-H32
  - e) Corner Fill: Aluminum alloy: 5052-H32
  - f) Support Hardware: CRES 300 Series
  - g) Oil Boom: Polypropylene, 3" Diameter
3. Performance Characteristics (typ):
  - a) Debris Capacity: 6.0 cu-ft
  - b) Filtered Flow Rate: 2688 gpm (5.9 cfs)
  - c) Primary Bypass Flow Rate: 2156 gpm (4.8 cfs)
  - d) Secondary Bypass Flow Rate: 328 gpm (0.73 cfs)
  - e) Total Bypass Flow Rate: 2484 gpm (5.5 cfs)
  - f) Oil Boom Absorption Capacity: 376 oz (2.94 gal)
4. Catch-Basin Clear Opening Range (0.5" increments):
  - a) Minimum Size: 23.0" X 45.0"
  - b) Maximum Size: 28.0" X 50.0"

## **Mechanical Properties:**

### **Frame/Flange Assembly:**

1. Aluminum Alloy 6063-T6
  - a) Yield Strength: 40,000-psi
  - b) Tensile Strength: 45,000-psi
  - c) Shear Strength: 30,000-psi
2. Aluminum Corner Lifting Tabs:
  - a) Yield Strength: 31,000-psi
  - b) Tensile Strength: 38,000-psi
  - c) Shear Strength: 21,000-psi

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### **Frame/Flange Assembly: (continued)**

3. Co-Polymer (injection molded) Corner:
  - a) Tensile Strength: 3,200-Psi
  - b) Heat Deflection Temperature (@66-Psi): 175°F
  - c) Notched IZOD Impact Strength (@73°F): No Break
4. Hardware: CRES 300 Series

### **StormSack Assembly:**

1. Geotextile Sack (woven geotextile polypropylene monofilament):
  - a) Grab Strength (ASTM D4632): 255x275-lbs
  - b) Trapezoid Tear (ASTM D4533): 40x50-lbs
  - c) Puncture (ASTM D4833): 135-lbs
  - d) Mullen Burst (ASTM D3786): 420 psi
  - e) AOS (US Std. Sieve): 20
  - f) Flow Rate (Water): 145-Gal/Min/Sf
2. Sack Support Netting:
  - a) Material: HDPE
  - b) Grid Opening: 1.25-in X 1.25-in (diamond)
  - c) Thickness: 0.14-in (typ)