

# **StormSack Specification Sheet**

Product No.: 9750-1C-000

(Page 1 of 2)

## **Physical Properties:**

1. Weight (Empty): 26 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
3. Performance Characteristics (typ):
  - a) Debris Capacity: 10.4 cu-ft
  - b) Filtered Flow Rate: 3147 gpm (7.0 cfs)
  - c) Primary Bypass Flow Rate: 2091 gpm (4.7 cfs)
  - d) Secondary Bypass Flow Rate: 328 gpm (0.73 cfs)
  - e) Total Bypass Flow Rate: 2419 gpm (5.4 cfs)
4. Catch-Basin Clear Opening Range (0.5" increments):
  - a) Minimum Size: 29.0" X 45.0"
  - b) Maximum Size: 34.0" 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

## **StormSack Specification Sheet**

Product No.: 9750-1C-000

(Page 2 of 2)

### **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)