StormSack Specification Sheet

Product No.: 9748-1C-000

Physical Properties:

1. Weight (Empty): 40 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: 8.5 cu-ft
    b) Filtered Flow Rate: 3504 gpm (7.8 cfs)
    c) Primary Bypass Flow Rate: 1884 gpm (4.2 cfs)
    d) Secondary Bypass Flow Rate: 328 gpm (0.73 cfs)
    e) Total Bypass Flow Rate: 2213 gpm (4.9 cfs)
    f) Oil Boom Absorption Capacity: 376 oz (3.0 gal)
4. Catch-Basin Clear Opening Range (0.5" increments):
    a) Minimum Size: 19.0" X 45.0"
    b) Maximum Size: 24.0" 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)