StormSok Specification Sheet

Product No.: 9792-1-000

Physical properties:

1. Weight: 25 lb max.

2. Material:
    a) Support ring: aluminum alloy, rolled
    b) Shroud: high density polyethylene: wall thickness 0.125" (typ)
    c) Support hub: CRS, powder coated
    d) Sack material: woven polypropylene geotextile with reinforcement mesh
    e) Hardware: aluminum pop-rivets, CRS washers

3. Performance characteristics (typ):
    a) Debris capacity: 3.5 cu-ft
    b) Filtered flow rate: 1919 gpm (4.3 cfs)
    c) Bypass flow rate: 874 gpm (1.9 cfs)

4. Minimum required clear opening: 21.5" diameter

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. Hardware:
    a) CRES 300 Series
    b) Black-Oxide Alloy Steel.
        i. Meets ASTM F912. Rockwell hardness is C45-C53
        ii. Thread Meets ANSI/ASME B18.3, Class 3

3. High Density Polyethylene Step Flange:
    a) Tensile Strength: 3,200 psi to 4,300 psi
    b) Heat Deflection Temperature (@66-psi): N/A
    c) Notched IZOD Impact Strength (@73°F): 1.2-25 ft-lb/in

StormSack Specification Sheet

Product No.: 9792-1-000

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)