

DOT Approved Square Frame & Filter S-400-B-DOT

Black High Efficiency Material Specifications

Property	Test Method	(MARV ²) English	(MARV ²) Metric
Grab Tensile Strength	ASTM D 4632	120 lbs.	0.553kN
Grab Elongation	ASTM D 4632	50%	50%
Trapezoid Tear Strength	ASTM D 4533	50 lbs.	0.222kN
CBR Puncture Resistance	ASTM D 6241	340 lbs.	1.512kN
Permittivity 4	ASTM D 4491	1.7 sec-1	1.7 sec-1
Water Flow 4	ASTM D 4491	120 gpm/ft ²	4885 l/min/m ²
Apparent Opening Size (AOS)3&4	ASTM D 4751	70 Std. U.S. Sieve	0.212 mm
UV Resistance	ASTM D 4355	70%/500 hrs.	70%/500 hrs.

Notes:

1. The property values listed above are subject to change without notes.
2. Minimu Average Roll Value (MARV) is calculated as the average minus two stanard de-
viations. Statistically, it yields approximately 97.5% degree of confidence that any samples
taken from quality assurance will meet or exceed the values described above.
3. Maximum Average Roll Value (MaxARV)
4. At time of manufacturing, handling may change these properties.

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1071 Merchants Lane Oilville, VA 23129

Ph. 800-436-6287

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Green HF Standard Mesh Fabric Specifications

Construction Specifications and Physical Properties		
Characteristic	Description	
Weight	7.5 oz/sq yd +/- 10%	
Width	As specified (up to 85" +/- 1/4"	
Scrim Count	9 x 9	
Color	Various	
Property	Test Method	Results
Tear (Trap)	FTM 191-5136 / ASTM D751	64.3 lbs / 49.4 lbs
Tensile (Grab)	FTM 191-5100 / ASTM D751	184.0 lbs / 220.0 lbs
Abrasion - taber wheel H-18 (abrade to failure)	FTM 191-5306 / ASTM D3884	260 cycles
Flame resistance	NFPA 701 M2	Pass
Weatherability (no cracking, crazing, blistering, fading or delamination)	ASTM G-151	1000 hrs UV-B

Notes:

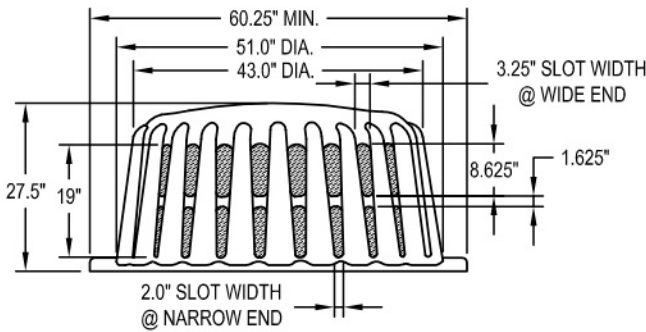
The technical data furnished represents typical test results as achieved by the test methods indicated. This information is provided as general information. Final determination as to the suitability of the indicated material, for the application, is the responsibility of the customer. There are no warranties either expressed or implied.

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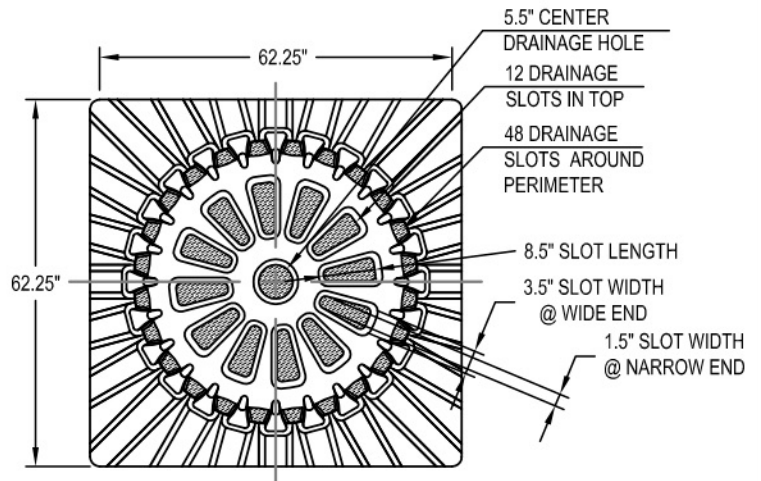
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ELEVATION VIEW



PLAN VIEW

FILTER OPTIONS

FILTER IS AVAILABLE IN TWO OPTIONS:

- 1) ALL HIGH-FLOW FILTER
- 2) HIGH-FLOW MATERIAL ON TOP HALF, HIGH-EFFICIENCY MATERIAL ON BOTTOM HALF (THIS FILTER COVER IS RECOMMENDED FOR ALL ROADWAY PROJECTS.) (DOT FILTER)

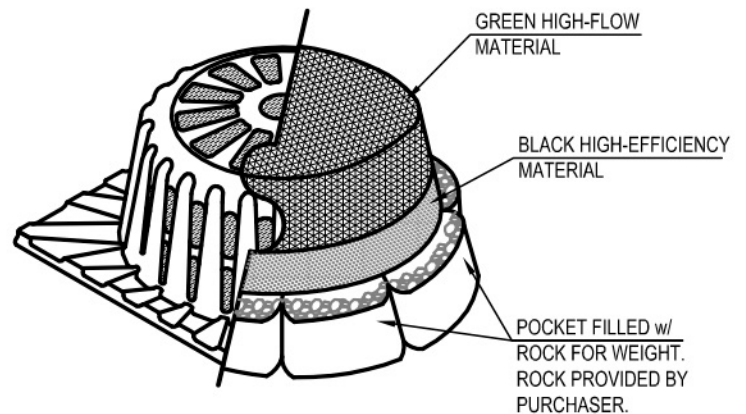
IT IS THE PURCHASERS RESPONSIBILITY TO PURCHASE APPROPRIATE FILTER. PURCHASER SHALL PROVIDE ROCK FOR FILTER POCKETS.

FILTER INSTALLATION

FILTER SLIDES DIRECTLY OVER FILTER FRAME. TO KEEP FILTER FRAME IN PLACE OVER STORM STRUCTURE, ROCK POCKETS ARE SEWN DIRECTLY INTO FILTER. EVERY FILTER COMES IN ONE PIECE FOR EASY INSTALLATION.

MAINTENANCE

ALL TEMPORARY EROSION, SEDIMENTATION, & POLLUTION CONTROL PRACTICES SHOULD BE INSPECTED DAILY. CONTRACTOR SHALL REMOVE SEDIMENT AND DISPOSE OF IN A PROPER MANNER. INSPECT FRAME AND FILTER DAILY FOR CUTS, ABRASIONS, AND PROPER INSTALLATION. REPLACE OR REPOSITION AS NECESSARY.



ISOMETRIC VIEW

SHOWN WITH DOT FILTER

REPLACEMENT FILTERS: MODEL # S-240HF OR S-440B DOT - VDOT Approved

SQUARE FRAME & FILTER ASSEMBLY
Model # S-400B

FRAME MATERIAL: BLACK 0.25" HMWPE
FILTER FABRIC MATERIAL: REFER TO SPEC
SCALE: NOT TO SCALE
LAST UPDATED: OCTOBER 2018

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