Catch Basin Sediment Capture Device
Hi-Flow

Siltsack® is a sediment control device used during construction that mounts under the grate in catch basins. Siltsack® is made of a permeable geotextile that allows water to pass but prevents silt and sediment from clogging the drain system.

Siltsack[1] sediment control device is manufactured by ACF Environmental, Inc.[2] and shall be manufactured from a specially designed woven polypropylene geotextile manufactured by SI Geosolutions[3] and sewn by a double needle machine, using a high strength nylon thread.

Siltsack will be manufactured to fit the opening of the catch basin or drop inlet. Siltsack will have the following features: two dump straps attached at the bottom to facilitate the emptying of Siltsack; lifting loops as an integral part of the system to be used to lift Siltsack from the basin; a restraint cord approximately halfway up the sack to keep the sides away from the catch basin walls. The yellow cord is also a visual means of indicating when the sack should be emptied. Once the strap is covered with sediment, Siltsack should be emptied, cleaned and placed back into the basin.

Siltsack - Hi-Flow seams shall have a certified average wide width strength per ASTM D-4884 standards of 114.6 lbs/in.

PRODUCT TEST DATA		
Physical Property	**Specification**	**Test Results**
Material	Polypropylene	
Weight	5.6 oz/sq/yd	
Color	Black	
Grab Tensile Strength	390 lbs (530N)	255 lbs x 275 lbs
Grab Elongation (Max%)	30%	20% x 15%
Trapezoidal Tear	120 lbs (250N) Min	40 lbs x 50 lbs
Puncture	140 lbs (250N) Min	135 lbs
Mullen Burst	600 psi	420 psi
Coefficient of Permeability	0.04 in/sec	
Permittivity	0.3 gal/min per sq ft	1.5 sec -1
Water Flow Rate	152 gal/min per sq ft	200 gal/min/sq ft
Apparent Opening Size	0.212mm	40 US Sieve
UV Resistance Strength	90%	
Fabric Width	72”	
Test results represent Minimum Average Roll Values (MARV) with the exception of weight which is a typical result.		

1. Silt sack is covered by U.S. Patent No. 5,575,925.
2. ACF Environmental, Inc., 2831 Cardwell Road, Richmond, Virginia 23234, Phone: 800-448-3636, Fax: 804-743-7779, www.acfenvironmental.com
3. SI Geosolutions, www.sigeosolutions.com, (800) 621-0444

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