



FILTER SOCKS

Big O

Filter Socks

Filter socks are recommended for use in fine grained soils. Big O's Filter Sock is a tough one-piece knitted polyester envelope material that fits over the tubing. Filter Socks bridge the perforations and prevent problem-sized particles from flowing into the pipe and clogging the drain.

A selection of non-woven geotextile socks is also available for critical applications. Armtec also carries a complete line of geotextile products in rolls for a complete trench wrap French drain package.

Please contact your local Corix Water Products branch for more information.

SPECIFICATIONS

NOMINAL DIAMETER (mm)	OUTSIDE DIAMETER (mm)
50	64
75	90
100	120
150	180
200	240
250	305
300	375
375	440



NON-WOVEN GEOTEXTILES

Nilex

Non-Woven Geotextiles

The Nilex non-woven geotextile fabrics are produced from 100% virgin polymers, needle-punched or spun-bonded to provide maximum permeability and optimum strength. The high permeability, excellent drainage capacity and controlled filtration properties of non-woven geotextile products ideally suit them for drainage and soil filtration applications.

*Nilex also stocks non-woven geotextile fabrics for cushioning of geomembrane systems, for use as a sealing membrane in asphalt overlay work, and for weed control in landscape applications. Please contact your local Corix Water Products branch for special fabricated geotextile products, cut to size, or rolls sewn into ultra-wide panels.

SPECIFICATIONS

DESIGN CRITERIA

To perform, the filter geotextile fabric must allow liquids to pass through the geotextile and into the drainage media (granular soil and/or perforated pipe) throughout the design life of the drainage system. At the same time, the filter geotextile fabric must retain the upstream soil fine particles and prevent them from migrating, or "piping" into the drainage system. The selection of a particular filter geotextile fabric can be accomplished following four basic criteria:

1. Retention Criteria - The filter geotextile fabric openings must be small enough to prevent excessive migration of soil
2. Permeability Criteria - The filter geotextile fabric must be permeable enough to allow liquids to pass through it without a significant reduction in flow
3. Clogging Criteria - The filter geotextile fabric must have a significant number of pore openings, such that if soil particles block or clog a few openings path the flow of the filter geotextile fabric will be greater than the required system permeability

4. Survivability Criteria - The filter geotextile fabric must exhibit adequate strength, chemical resistance, and environmental resistance to prevent it from becoming damaged during installation and throughout the design life of the drainage system

NILEX NON-WOVEN 4535 METRIC DATA

PROPERTY	TEST	UNIT	VALUE
Grab Tensile Strength ²	ASTM D-4632	N	356
Grab Tensile Elongation ²	ASTM D-4632	%	50
Puncture Strength	ASTM D-4833	N	222
Mullen Burst	ASTM D-3786	kPa	1034
Trapezoidal Tear	ASTM D-4533	N	134
Flow Rate	ASTM D-4491	l/min/m ²	6112
Permittivity	ASTM D-4491	sec (-1)	2.0
Apparent Opening Size (AOS) ⁵	ASTM D-4751	mm	0.300
UV Resistance ³	ASTM D-4355	% at 500 hours	70



SILT FENCE

Nilex

Silt Fence

The Nilex Silt Fence filters silt, sediment and other contaminants from runoff water and helps protect our streams, rivers, lakes and other water resources.

Nilex manufactures silt fence from high quality UV stabilized woven geotextile with premium hardwood stakes. The fabrication process is fully automated, ensuring the highest quality and consistency possible. It is designed and manufactured to meet all sediment control requirements.