

## ADS FILTER SOCK SPECIFICATION

### Scope

This specification describes 2- through 48-inch (50- to 1200 mm) ADS SOCK synthetic wrap.

### Filter Fabric Requirements

The ADS SOCK shall meet the requirements of ASTM D6707.

ADS sock products as listed on this specification meet Ontario Provincial Standard Specification 1860, Material Specifications for Geotextiles, dated March 1998.

### Filter Fabric Properties

Property	Test Method	
Material	-	Polyester
Fabric	-	Knitted
Permittivity (min.)	ASTM D4491	5.5 sec <sup>-1</sup>
Puncture Resistance (min.)	ASTM D6241	1000 N
AOS (max.)	ASTM D4751	0.600 mm 30 U.S. Sieve
FOS (max.)	CAN/CGSB-148.1, M10-94	450 microns
Mass (relaxed)	ASTM D3887	3.0-3.9 oz/yd <sup>2</sup> 101.7-132.2 g/cm <sup>2</sup>
Mass (applied minimum)		2.7-3.5 oz/yd <sup>2</sup> 91.5-118.7 g/cm <sup>2</sup>
Thickness (min.)	ASTM D4491	24.0 mils 609.6 microns
Permeability (K) (min.)	ASTM D4491	0.390 cm/sec
Burst Strength (min.)	ASTM D3786	760 kpa
Air Permeability (min.)	ASTM D737	700 ft <sup>3</sup> /ft <sup>2</sup> /min 213 m <sup>3</sup> /m <sup>2</sup> /min
Water Flow Rate (min.)	ASTM D4491 (2" constant head)	300 gal/min/ft <sup>2</sup> 12,224 L/min/m <sup>2</sup>
Yarn Denier	-	150
Specific Gravity	-	1.3
Melt Temperature	-	450° F 232° C