

4.11 Geotextile Fabric

Geotextile fabric used in an HSTS to prevent backfill material from entering a treatment or soil absorption system shall meet the requirements listed in Table 4.4.

Geotextile Property	Test Method	Average Role Value
Thickness (mil)	ASTM D1777	Minimum – 4 mil Maximum – 20 mil
Air Permeability (cfm/ft)	ASTM D737	Minimum - 500 cfm
Grab Tensile (lbs)	ASTM D4632 or D1682	Minimum – 18 lbs
Grab Elongation (%)	ASTM D4632 or D1682	Minimum – 50%
Puncture (lbs)	ASTM D4833	Minimum – 10 lbs
Trapezoidal Tear (lbs)	ASTM D4533 or D1117	Minimum – 10 lbs
AOS (Sieve Size)	ASTM D4751	Minimum - #20 Sieve Size Opening Maximum - #70 Sieve Size Opening

Table 4.3 - Geotextile Fabric Specifications. Partly adopted from the Wisconsin Department of Commerce Administrative Code. Comm. 84.40.