

NOTES:

This information is to be used only as a guide.
 Products on this list can change without notice.

IDOT QPL website: <http://itd.idaho.gov/apps/QPL/>

IDOT SPECIFICATIONS

SSP 718 - GEOTEXTILES

Drainage Geotextile (718.05) Nonwoven or Monofilament only

Property	Test Method	MARV	
		Type I	Type II
Grab Tensile (lbs.)	ASTM D4632	80	180
Grab Elongation (%)	ASTM D4632	NA	NA
Burst Strength (psi)	ASTM D3786	NA	
Puncture Strength (lbs.)	ASTM D3787 (3)	35	80
AOS (2)(Sieve)	ASTM D4751	70	70
Permittivity (sec-1)	ASTM D4491	0.7	0.7
CSI Fabric		140NL	170N

15' x 360' 15' x 300'

(1) Type I refers to protected conditions. Type II refers to unprotected conditions. Protected conditions include: trench depth <10 ft, rounded aggregate or crushed aggregate less than 4 inch size, and relatively smooth trench walls. All other conditions are unprotected.

(2) Typical minimum values; specify as appropriate for site conditions...

Note: Strength properties of drainage geotextile placed on level or near level surfaces such as under drain blankets or on subgrade shall meet those specified in 718.07.

Riprap/Erosion Control Geotextile (718.06) Nonwoven or Monofilament only

Property	Test Method	MARV	
		Type I	Type II
Grab Tensile (lbs.)	ASTM D4632	130	200
Grab Elongation (%)	ASTM D4632	15	15
Burst Strength (psi)	ASTM D3786	NA	
Puncture Strength (lbs.)	ASTM D3787 (3)	60	80
Trapeziodal Tear (lbs.)	ASTM D4533	40	50
AOS (2)(Sieve)	ASTM D4751	50	50
Permittivity (sec-1)	ASTM D4491	0.5	0.5
UV Radiation Sability @ 500 hrs.	ASTM D4355	70%	70%
CSI Fabric		160N	180N

15' X 300' 15' X 300'

(1) Low to moderate survivability geotextiles may be used behind gabions less than 10 feet high without an aggregate cushion (Type I). In severe conditions, where stones will be larger than 250 lbs., or drop heights cannot be practically reduced, a higher survivability fabric will be necessary (Type II)

Subgrade separation Geotextile (718.07)
Nonwoven or Woven acceptable

Property	Test Method	MARV	
		Type I	Type II
Grab Tensile (lbs.)	ASTM D4632	180/115	270/180
Grab Elongation (%)	ASTM D4632	<50/>50	<50/>50
Burst Strength (psi)	ASTM D3786	NA	
Puncture Strength (lbs.)	ASTM D3787 (3)	70/41	100/75
Trapeziodal Tear (lbs.)	ASTM D4533	70/41	100/75
AOS (3)(Sieve)	ASTM D4751	30	30
Permittivity (sec-1) (3)	ASTM D4491	0.02	0.02
CSI Fabric		500X/140N	600X/170N

500X 12.5' X 432', 15' X 360', 17.5' X 309'

140N 15' X 360'

600X 12.5' X 360', 15' X 300', 17.5' X 258'

170N 15' X 300'

(1) Type I, refers to moderate survivability conditions; Type II high survivability conditions...

(2) For geotextiles with less than 50% elongation, higher strenghts are required.

(3) Minimum values: specify as appropriate for site conditions. Where subgrade geotextiles will function in a drainage application, permittivity and AOS values shall be in accordance with 718.05.

Pavement Overlay Geotextile (718.08)
Only Nonwovens are acceptable

Property	Test Method	MARV
Grab Tensile (lbs.)	ASTM D4632	82
Grab Elongation (%)	ASTM D4632	50
Trapeziodal Tear (lbs.)	ASTM D4533	40
Asphalt Retention (gal/sy)		0.2
CSI Fabric		Mirapave 400

Temporary Silt Fence Geotextile (718.9)
Nonwovens or Wovens are acceptable

Property	Test Method	MARV
Grab Tensile (lbs.)	ASTM D4632	90
Grab Elongation (%)	ASTM D4632	50 max (1)
Permittivity (sec-1)	ASTM D4491	0.05
AOS (Sieve)	ASTM D4751	20
UV Radiation Stability @ 500 Hrs.	ASTM D4355	70
CSI Fabric		100X

(1) For wire fence supported fabric; elongation requirements are not applicable.