CONTECH ENGINEERED SOLUTIONS

Material Property Data Sheet

CONTECH C70/06 Woven Geotextile

CONTECH C70/06 is a woven monofilament geotextile. The individual filaments are woven together in such a manner as to provide dimensional stability relative to each other. The construction of the geotextile makes CONTECH C70/06 ideal filtration and erosion control applications. CONTECH C70/06 meets the requirements for a Subsurface Drainage geotextile and a Class 2 Permanent Erosion Control geotextile per AASHTO M288-96. CONTECH C70/06 conforms to the property values listed below[1] which have been derived from quality control testing:

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUES[2] *English*	*Metric*
Mechanical			
Grab Tensile Strength	ASTM D-4632	370x256 lbs	1647x1139 N
Grab Elongation	ASTM D-4632	16x15 %	16x15 %
Trapezoidal Tear	ASTM D-4533	100x60 lbs	445x267 N
CBR Puncture	ASTM D-6241	950 lbs	4230 N
Hydraulic			
Apparent Opening Size (AOS)[3]	ASTM D-4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D-4491	0.28 Sec^{-1}	0.28 Sec^{-1}
Water Flow Rate	ASTM D-4491	18 gpm/ft^2	730 l/min/m^2
Endurance			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70 %	70 %

NOTES:

1. The property values listed above are effective 7/7/10 and are subject to change without notice.
2. Values reported in weaker principal direction. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.

CONTECH ENGINEERED SOLUTIONS

Material Property Data Sheet

CONTECH C70/11 Woven Geotextile

CONTECH C70/11 is a woven monofilament geotextile. The individual filaments are woven together in such a manner as to provide dimensional stability relative to each other. The construction of the geotextile makes CONTECH C70/11 ideal filtration and erosion control applications. CONTECH C70/11 meets the requirements for a Subsurface Drainage geotextile and a Class 2 Permanent Erosion Control geotextile per AASHTO M288-96. CONTECH C70/11 conforms to the property values listed below[1] which have been derived from quality control testing:

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUES[2] *English*	*Metric*
Mechanical			
Grab Tensile Strength	ASTM D-4632	370x200 lbs	1647x890 N
Grab Elongation	ASTM D-4632	15 %	15 %
Trapezoidal Tear	ASTM D-4533	115x75 lbs	512x334 N
CBR Puncture	ASTM D-6241	675 lbs	3006 N
Hydraulic			
Apparent Opening Size (AOS)[3]	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	2.1 Sec^{-1}	2.1 Sec^{-1}
Water Flow Rate	ASTM D-4491	145 gpm/ft^2	145 l/min/m^2
Endurance			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70 %	70 %

NOTES:

1. The property values listed above are effective 7/7/10 and are subject to change without notice.
2. Values reported in weaker principal direction. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.

CONTECH ENGINEERED SOLUTIONS

Material Property Data Sheet

CONTECH C200 Woven Geotextile

CONTECH C200 is a woven slit film geotextile. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The construction of the geotextile makes CONTECH C200 ideal for soil separation and stabilization. CONTECH C200 meets the requirements for a Class 3 Separation and Stabilization geotextile per AASHTO M288-96. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. CONTECH C200 conforms to the property values listed below[1] which have been derived from quality control testing:

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUES[2] *English*	*Metric*
Mechanical			
Grab Tensile Strength	ASTM D-4632	200 lbs	890 N
Grab Elongation	ASTM D-4632	12 %	12 %
Trapezoidal Tear	ASTM D-4533	75 lbs	330 N
CBR Puncture	ASTM D-6241	700 lbs	3110 N
Hydraulic			
Apparent Opening Size (AOS)[3]	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.05 Sec^{-1}	0.05 Sec^{-1}
Water Flow Rate	ASTM D-4491	4 gpm/ft^2	160 $l/min/m^2$
Endurance			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70 %	70 %

NOTES:

1. The property values listed above are effective 7/7/10 and are subject to change without notice.
2. Values reported in weaker principal direction. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.

CONTECH ENGINEERED SOLUTIONS

Material Property Data Sheet

CONTECH C250 Woven Geotextile

CONTECH C250 is a woven slit film geotextile. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The construction of the geotextile makes CONTECH C250 ideal for soil separation and stabilization. CONTECH C250 meets the requirements for a Class 2 Separation and Stabilization geotextile per AASHTO M288-96. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. CONTECH C250 conforms to the property values listed below[1] which have been derived from quality control testing:

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUES[2] *English*	*Metric*
Mechanical			
Grab Tensile Strength	ASTM D-4632	250 lbs	1113 N
Grab Elongation	ASTM D-4632	15 %	15 %
Trapezoidal Tear	ASTM D-4533	90 lbs	401 N
CBR Puncture	ASTM D-6241	900 lbs	4007 N
Hydraulic			
Apparent Opening Size (AOS)[3]	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.05 Sec^{-1}	0.05 Sec^{-1}
Water Flow Rate	ASTM D-4491	4 gpm/ft^2	160 $l/min/m^2$
Endurance			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70 %	70 %

NOTES:

1. The property values listed above are effective 7/7/10 and are subject to change without notice.
2. Values reported in weaker principal direction. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.

CONTECH ENGINEERED SOLUTIONS

Material Property Data Sheet

CONTECH C300 Woven Geotextile

CONTECH C300 is a woven slit film geotextile. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The construction of the geotextile makes CONTECH C300 ideal for soil separation and stabilization. CONTECH C300 meets the requirements for a Class 2 Separation geotextile and Class 1 Stabilization geotextile per AASHTO M288.96 The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. CONTECH C300 conforms to the property values listed below[1] which have been derived from quality control testing performed by a GAI-LAP accredited laboratories:

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUES[2] *English*	*Metric*
Mechanical			
Grab Tensile Strength	ASTM D-4632	315 lbs	1400 N
Grab Elongation	ASTM D-4632	15 %	15 %
Trapezoidal Tear	ASTM D-4533	120 lbs	535 N
CBR Puncture	ASTM D-6241	1000 lbs	4453 N
Hydraulic			
Apparent Opening Size (AOS)[3]	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.05 Sec^{-1}	0.05 Sec^{-1}
Water Flow Rate	ASTM D-4491	4 gpm/ft^2	160 $l/min/m^2$
Endurance			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70 %	70 %

NOTES:

1. The property values listed above are effective 7/7/10 and are subject to change without notice.
2. Values reported in weaker principal direction. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.