

PRODUCT DATA SHEET



Talon Fabrics™ Woven Polypropylene Geotextiles



GEOTEXTILE



WOVEN



MONOFILAMENT

Talon Fabrics by Western Green are designed to provide functional performance, overall site cost reductions, and consistent quality in a wide range of soil stabilization and reinforcement applications. Talon Fabrics line of woven polypropylene geotextiles can be an excellent choice for:

Stabilization & Soil Reinforcement

Support the ground layers with good soil confinement resulting in even load distribution across the surface,

Separation & Filtration

The various woven designs allow for separation of base and fill materials while allowing controlled filtration and water drainage.

Reinforcement Strength

High tensile strength properties provide durability against severe stress installations and resistance against damage during its life span.

Talon Fabrics are available with varying strength and filtration capabilities, and in multiple roll sizes to fit your project specifications and requirements.

For full product specifications, installation, and more visit www.westerngreen.com

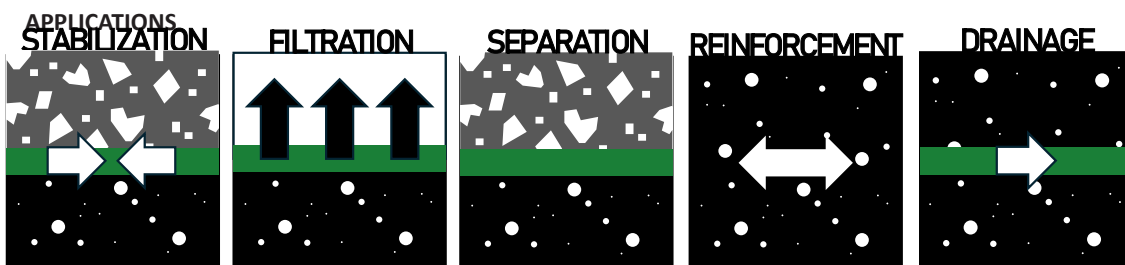
Talon Fabrics Woven Geotextiles have been 3rd party tested and NTPEP listed, and will meet most standard specifications. They are designed to provide functional performance in a wide range of applications including:

- Base course reinforcement
- Subgrade separation and stabilization for road and railways
- Drainage and filtration on soft foundations, channelized flow areas, etc.
- Reinforcement for embankments and mechanically stabilized earth structures
- Reinforcement over soft pond closures
- Fill soil load distribution over landfill liners

INSTALLATION*

Geotextile should be placed directly over the prepared site. Geotextile should be unrolled flat and tight to the base layer with no wrinkles or folds. Follow the design plans on directional placement of the geotextiles on site to ensure material strength properties align to the correct orientation. Adjacent rolls should be overlapped and seamed according to subgrade strength and functional standards. Geotextiles should be fastened in place using suitable fasteners such as staples or pins to secure geotextile until fill material is placed, or in some applications as a permanent anchoring system.

** Typical guidelines for basic installations. Consult a representative for detailed or site specific recommendations.*



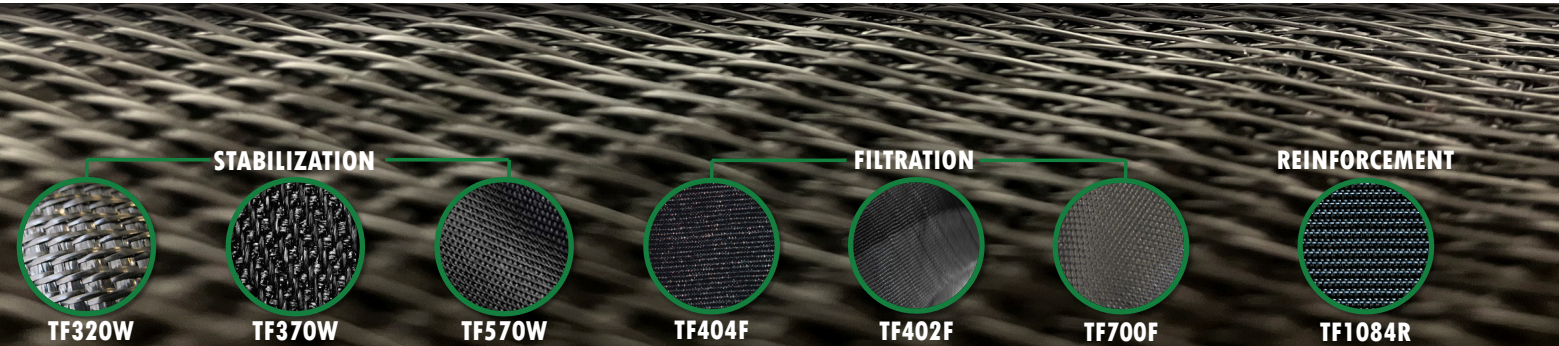
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Talon Fabrics™ Woven Polypropylene Geotextiles

The following chart provides an overview of index and properties of commonly available, woven geotextiles. These materials are used for soil stabilization, filtration, and reinforcement applications. Talon Fabrics by Western Green are designed to provide functional performance, overall site cost reductions, and consistent quality. For full product specifications, installation, and more visit www.westerngreen.com

				Woven Geotextiles						
				STABILIZATION			FILTRATION			REINFORCEMENT
				Stabilization			Filtration			Reinforcement
MARV Property	Test Method	Unit	TF320W	TF370W	TF570W	TF402F	TF404F	TF700F	TF1084R	
Mechanical Properties	Wide-width Tensile Strength @ Ultimate	ASTM D4595	PSF (kN/m)	2640 x 2640 (38.5 x 38.5)	4140 x 3240 (50.47 x 47.3)	4800 x 4800 (70 x 70)	2400 x 1740 (35 x 25)	4000 x 3450 (58 x 50)	2700 x 1740 (39 x 25)	5700 x 7400 (83.2 x 108)
	Wide-width Tensile Strength @ 5% Strain	ASTM D4595	PSF (kN/m)	--	--	1920 x 2640 (28 x 38.5)	--	--	--	1975 x 4235 (28.8 x 61.8)
	Trapezoidal Tear	ASTM D4533	lbs	160 x 125 (712 x 556)	150 x 150 (667 x 6670)	180 x 180 (801 x 801)	115 x 75 (512 x 334)	180 x 165 (800 x 734)	100 x 60 (445 x 267)	350 x 480 (1560 x 2140)
Hydraulic Properties	Water Flow Rate	ASTM D4491	gal/min/ft²	--	--	40	145	70	18	75
	Permittivity	ASTM D4491	sec-1	0.5	0.9	0.6	2.1	0.9	0.28	1.1
	Apparent Opening Size (AOS)	ASTM D4751	US Sieve (mm)	40 (0.425)	30 (0.600)	30 (0.600)	40 (0.425)	40 (0.425)	70 (0.212)	30 (0.600)
Packaging	Roll Width	--	ft (m)	15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)
	Roll Length	--	ft (m)	300 (91)	300 (91)	300 (91)	300 (91)	300 (91)	300 (91)	300 (91)
	Roll Area	--	sy (m²)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)

Disclaimer: The information contained herein may represent physical properties and expected values for specific tests at the time of manufacture, as part of routine quality analysis and control. While believed correct, and every effort for accuracy has been made, seller makes no warranties, express or implied, as to the accuracy of these values, fitness for a particular application, or compliance with any specification. Western Green and its affiliates make no warranty as to the test results obtained from evaluation of delivered material. This data sheet supersedes all previous versions for the style and is subject to change without notice. For further information, please feel free to contact Western Green.



STABILIZATION

FILTRATION

REINFORCEMENT

TF320W

TF370W

TF570W

TF404F

TF402F

TF700F

TF1084R