

# MATERIAL PROPERTY DATA SHEET



## Talon Fabrics™ Silt Fence TSF-100 PREASSEMBLED SERIES



### DESCRIPTION

TSF-100 is a pre-assembled silt fence bundle including silt fence fabric and stakes as specified at the options below. It utilizes a woven geotextile made of polypropylene monofilament fibers that is non-biodegradable and resistant to UV degradation. Stakes can be placed on varying centers. Laths are optional, with sizing depending on the fabric height.

#### Standard Unit Fabric Properties

Fabric Weight	100 g	
Fabric Height	24 in (61 cm)	36 in (91 cm)
Unit Length	100 ft (30.5 m)	

#### Standard Unit Stake Properties

Post Type	Hardwood pencil point tip			
Post Diameters	C (1.125")	E (1.25")	B (1.5")	J (2.0")
Post Length & Lath Length	36 in (91 cm)		48 in (122 cm)	
	24 in x 1.5 in (61 x 3.8 cm)		36 in x 1.5" (91 x 3.8 cm)	
Post Number & Spacing	21 stakes: 5 ft (1.6 m) on center			
	17 stakes: 6 ft (1.8 m) on center			
	13 Stakes: 8 ft (2.4 m) on center			
	11 Stakes: 10 ft (3.1 m) on center			

Index Property	Test Method	MARV
Tensile Strength	ASTM D4632	125 x 125 lbs
Grab Elongation	ASTM D4632	15% x 15%
Puncture	ASTM D4833	325 lbs
Trapezoidal Tear	ASTM D4533	70 lbs
UV Resistance @ 500 hrs	ASTM D4355	80%
Apparent Opening Size (AOS)	ASTM D4751	30 US STD SIEVE
Permittivity	ASTM D4491	0.10 sec-1
Water Flow Rate	ASTM D4491	10 gal/min/ft <sup>2</sup>

The property values listed above are effective January 2024 and are subject to change without notice. Values listed are for machine (warp) and cross-machine (fill), respectively, under dry or saturated conditions. MARVs are calculated as the average, plus or minus two standard deviations.

#### Example Assembly with Typical Silt Fence Options for Design-to-Build

## TSF-100-36-100-17-4BL

<b>Talon Fabrics Silt Fence</b>	<b>Unit Length (ft)</b> 100 typ.	<b>Wood Stake Length (ft)</b> 3 ft (36 in) 4 ft (48 in)	<b>With Laths</b> 24 in x 1.5 in 36 in x 1.5 in
<b>Fabric Weight (g)</b> 60g 70g 100g	<b>Fabric Height (in)</b> 24 36 48	<b>Wood Stakes/ Unit</b> 11 = 10' spacing 13 = 8' spacing 17 = 6' spacing 21 = 5' spacing 26 = 4' spacing	<b>Wood Stake Diameter</b> C - 1.125" x 1.125" E - 1.25 x 1.25" B - 1.5 x 1.5" J - 2.0 x 2.0"

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