

MATERIAL PROPERTY DATA SHEET



Talon Fabrics™ Silt Fence TSF-60 PREASSEMBLED SERIES



DESCRIPTION

TSF-60 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	60 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) 24 in x 1.5 in (61 x 3.8 cm)		48 in (122 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	60 x 60 lbs
Grab Elongation	ASTM D4632	15% x 15%
Puncture	ASTM D4833	200 lbs
Trapezoidal Tear	ASTM D4533	30 lbs
UV Resistance @ 500 hrs	ASTM D4355	70%
Apparent Opening Size (AOS)	ASTM D4751	30 US STD SIEVE
Permittivity	ASTM D4491	0.05 sec-1
Water Flow Rate	ASTM D4491	8 gpm/ft ²

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-60-36-100-11-4E

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

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