



# AILS F90/120 Silt Fence

**AILS F90/120** is used as a temporary sediment control device. It protects surrounding neighbourhoods, streams, and catch basins from silt contamination by collecting and filtering sediment from sheet flow runoff. Using silt fence can help mitigate expensive cleanup costs and environmental harm.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			AILS F90	AILS F120
Grab Tensile Strength	ASTM D4632	lbs (N)	90 (400)	120 (533)
Grab Tensile Elongation	ASTM D4632	%	15	15
Trapezoid Tear Strength	ASTM D4533	lbs (N)	75 (333)	80 (355)
Puncture Strength	ASTM D4833	lbs (N)	60 (267)	60 (267)
			MINIMUM ROLL VALUE	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	30 (1215)	30 (1215)
			MAXIMUM OPENING SIZE	
Apparent Opening Size (AOS)	ASTM D4751	US Sieve (mm)	50 (0.300)	50 (0.300)
			MINIMUM TEST VALUE	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	90

PHYSICAL PROPERTIES	UNIT	ROLL SIZE	
Roll Dimensions (width x length)	ft (m)	3 x 100 (0.91 x 30)	3 x 100 (0.91 x 30)
Roll Weight	lbs (kg)	27 (12.2)	45 (20.4)
Stake Spacing	ft (m)	10 (3.05)	6.5 (2)
Stake Properties	in (mm)	1.5 x 1.5 x 48 (38 x 38 x 1220)	1.5 x 1.5 x 48 (38 x 38 x 1220)

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