

# Welded Wire SF-90

TerraTex® SF-90 is a woven geotextile made up of polypropylene filaments. These filaments are woven to form a stable and durable network such that the filaments retain their relative position. It is non-biodegradable and resistant to most soil chemicals, acids, and alkali with a pH range of 3 to 12. TerraTex® SF-90 is manufactured to meet or exceed the following minimum average roll values:

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Construction</b>			
Height		<b>32 in</b>	<b>812.8 mm</b>
Wire Spacing		<b>2 x 4 or 4 x 4 in</b>	<b>50.8 x 101.6 or 101.6 x 101.6 mm</b>
Top/Bottom Wires		<b>14 gauge</b>	<b>14 gauge</b>
Vertical/Horizontal Filler Wires		<b>14 gauge</b>	<b>14 gauge</b>
Hinge Joint Construction		<b>2.5 wrap minimum</b>	<b>2.5 wrap minimum</b>
Zinc Coating		<b>Class 1</b>	<b>Class 1</b>
Roll Length		<b>100 ft</b>	<b>30.5 m</b>
<b>Fabric</b>			
Grab Tensile	ASTM D4632	<b>100 x 100 lbs</b>	<b>0.445 x 0.445 kN</b>
Elongation	ASTM D4632	<b>15 x 20 %</b>	<b>15 x 20 %</b>
Mullen Burst	ASTM D3786	<b>250 psi</b>	<b>1723 kPa</b>
Puncture	ASTM D4833	<b>50 lbs</b>	<b>0.223 kN</b>
Trap Tear	ASTM D4533	<b>50 lbs</b>	<b>0.223 kN</b>
UV Resistance	ASTM D4355	<b>80 % @ 500 hrs</b>	<b>80 % @ 500 hrs</b>
AOS <sup>1</sup>	ASTM D4751	<b>20 - 50 US Std. Sieve</b>	<b>0.300 - 0.850 mm</b>
Permittivity	ASTM D4491	<b>0.10 sec<sup>-1</sup></b>	<b>0.10 sec<sup>-1</sup></b>
Flow Rate	ASTM D4491	<b>8 gpm/ft<sup>2</sup></b>	<b>325.6 Lpm/m<sup>2</sup></b>

<sup>1</sup> Maximum Average Roll Value

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