

Penteco HSW440 Woven Geotextile

High Strength

- ❖ Drainage
- ❖ Separation
- ❖ Erosion Control
- ❖ Reinforcement
- ❖ Stabilization
- ❖ Protection

Penteco carries three types of woven geotextiles viz., monofilament, slit film woven, and High strength woven geotextiles.

Penteco's High-strength woven geotextiles are made from monofilament yarn, or combination of different yarns, comprising monofilament yarns in one direction, and flat tape yarns in the perpendicular direction. Whilst monofilament yarn provides strength, the use of flat tape yarn in perpendicular direction provided better economy. These can be used for reinforcement applications in roads, GRS wall systems, and generally exhibit favorable hydraulic properties, similar to monofilament geotextiles.

HSW440		Minimum Average Roll Values	
Property	Test Method	Imperial	Metric
Material			
Woven Polypropylene (PP)	-	-	-
Mechanical			
Wide Width Tensile Strength	ASTM D-4595	4800 lb / ft	70 kN/m
Wide Width Tensile Strength @ 2%	ASTM D-4595	960 x 1500 lb / ft	14 x 21.9kN/m
Wide Width Tensile Strength @ 5%	ASTM D-4595	2400 x 3000 lb / ft	35 x 43.8 kN/m
Hydraulic			
Apparent Opening Size	ASTM D-4751	30 US Sieve	0.6 mm
Permittivity	ASTM D-4491	0.4 sec ⁻¹	0.4 sec ⁻¹
Water Flow	ASTM D-4491	30 g/min/ft ²	1222 l/min/m ²
Permeability	ASTM D-4491	0.05 cm/s	0.05 cm/s
Dimensions			
Typical Roll Size	Measured	15 ft x 300 ft	4.57m x 91m
Area		4500 ft ²	416 m ²

Notes:

- (1) All roll widths/lengths have a tolerance of ±1 %.
- (2) Custom roll lengths can be ordered. Transportation cost might be affected.
- (3) Penteco is a distributor for this product. Manufacturing partners are based out of Canada & USA.
- (4) Manufacturer's data sheet provided at time of bid/purchase includes adjusted widths/lengths.

DISCLAIMER: The data above represents the manufacturer's laboratory testing of their product. It is the user's responsibility to determine the suitability of the products. Penteco is a distributor for these products through its manufacturing partners. Penteco will provide the manufacturers data sheet at the time of sale. There may be very slight variation, but overall, the data represents standard industry specifications. Penteco and manufacturing partners assume no liability, nor can they provide any warranty, without having additional information regarding the use of the products. The same goes for any infringement on patents - no permission can be granted without further disclosure.

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