

Penteco MW250 Woven Geotextile Monofilament

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

Woven geotextiles comprise individual fabric yarns or tapes, woven or interlaced at right angles. Woven geotextiles typically exhibit slower drainage but higher strength properties relative to non-woven geotextiles.

Monofilament geotextiles are manufactured by weaving extruded, prestressed and round strands of polypropylene. These are characterized by greater strength & higher modulus, owing to the extrusion and the prestressing of its fabric. They also provide better drainage & filtration than the slit film woven geotextiles, and exhibit low potential for clogging. They are typically used for applications requiring both strength and filtration.

MW250		Minimum Average Roll Values	
Property	Test Method	Imperial	Metric
Material			
Woven Polypropylene (PP)	-	-	-
Mechanical			
Grab Tensile Strength	ASTM D-4632	370 x 250 lbs	1.65 x 1.11 kN
Grab Elongation	ASTM D-4632	16% x 15%	16% x 15%
CBR Puncture Resistance	ASTM D-6241	950 lbs	4.28 kN
Trapezoidal Tear	ASTM D-4533	100 x 60 lbs	0.445 x 0.267 kN
UV Resistance	ASTM D-4355	90% / 500 hours	90% / 500 hours
Hydraulic			
Apparent Opening Size	ASTM D-4751	70 US Sieve	0.212 mm
Permittivity	ASTM D-4491	0.28 sec ⁻¹	0.28 sec ⁻¹
Water Flow	ASTM D-4491	18 g/min/ft ²	733 l/min/m ²
Dimensions			
Typical Roll Size	Measured	12 ft x 300 ft	3.66 m x 91m
Area		3600 ft ²	334 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.