



TerraTextile – W Mo<sub>pp</sub> holds a higher strength to weight ratio in comparison with non-woven needle-punched geotextiles. It provides excellent filtration, separation, and erosion control characteristics. TerraTextile – W Mo<sub>pp</sub> has very good pore size consistencies, apparent opening sizes (AOS), high water flow properties whilst maintaining high dimensional stability and consistent hydraulic performance.

## Applications

- **Erosion Control:** TerraTextile – W Mo<sub>pp</sub> acts as a separation and retention layer for all waterfronts exposed to high dynamic waves and currents, and those exposed to rapid drawdown

conditions. The high filtration characteristic of the product is well utilized under such extreme conditions.

- **Separation and Stabilisation:** The high strength property of TerraTextile – W Mo<sub>pp</sub> provides stabilisation over soft or poorly drained soils. It helps to restrict pumping of soil into the gravel, which would otherwise drastically reduce the load carrying capacity of the sub grade. The stabilisation application of this TerraTextile acts jointly with the function of separation.
- **Silt Fence:** TerraTextile – W Mo<sub>pp</sub> acts as a temporary barrier to mitigate silt and other sediment from polluting nearby streams, rivers and sensitive environments.
- **Landfills:** TerraTextile – W Mo<sub>pp</sub> can be used as capping for waste landfill.

## Technical Parameters

Properties	Test Method	Unit	TW-Mo <sub>pp</sub> 404	TW-Mo <sub>pp</sub> M706	TW-Mo <sub>pp</sub> 220	TW-Mo <sub>pp</sub> 330	TW-Mo <sub>pp</sub> 440	
<b>Minimum Average Roll Value<sup>i</sup></b>								
<b>Mechanical Properties</b>								
Wide Width Tensile Strength at break	MD <sup>v</sup>	ASTM D 4595	kN/m	45	39.4	38.5	52.5	70
	CD <sup>v</sup>	ASTM D 4596	kN/m	30	33.6	35.9	48.2	70
Wide Width Elongation	MD <sup>v</sup>	ASTM D 4595	%	25	30	10	10	10
	CD <sup>v</sup>	ASTM D 4596		15	15	10	10	10
Grab Tensile Strength	MD <sup>v</sup>	ASTM D 4632	kN	1.62	1.65	1.31	2	2.1
	CD <sup>v</sup>	ASTM D 4632		0.89	1.11	1.16	1.55	1.96
Grab Elongation	MD <sup>v</sup>	ASTM D 4632	%	15	15	15	15	15
Trapezoid Tear	MD <sup>v</sup>	ASTM D 4533	kN	0.51	0.45	0.56	0.8	0.8
CBR Puncture Resistance		ASTM D 6241		3.0	4.28	5.7	6.22	8.89
<b>Hydraulic Properties</b>								
Permittivity	ASTM D 4491	sec <sup>-1</sup>	2.1	0.28	0.6	0.52	0.4	
Water Flow Rate	ASTM D 4491	l/m <sup>2</sup> /s	98.45	12.21	21.2	21.2	20.4	
Maximum Apparent Opening Size (AOS) <sup>j</sup>	ASTM D 4751	μ	425	212	600	600	600	
UV Resistance at 500 hrs	ASTM D 4355	%	90	90	80	80	80	
pH Range	ASTM D2165-94		2-13					
<b>Standard Packaging</b>								
Roll width <sup>ii</sup>		m	3.81			4.57		
Roll Length <sup>ii</sup>		m	91.33			91.25		
Estimated Roll Area <sup>iii</sup>		m <sup>2</sup>	348			417		

<sup>i</sup> All the values mentioned are of minimum average roll values (MARV) except for apparent opening size (AOS) which is maximum average roll value (MaxARV)

<sup>ii</sup> These values are subject to ±1% variation possible

<sup>iii</sup> Other roll sizes also available

<sup>v</sup> MD - Machine Direction

<sup>v</sup> CD - Cross Machine Direction

### NOTES

- A. These properties may change at the time of handling, storage and shipping.
- B. Other grades and polyester material also available as per requirement.
- C. The values can be customized.
- D. The above values are subject to change as per discretion of the company.