



TerraTextile - W TT_{PP} are individual threads of slit films or tapes that are woven on a loom to manufacture woven geotextile. It provides excellent stabilisation and separation characteristics ideally for ground reinforcement and segregation applications. TerraTextile - W TT_{PP} fabrics strive to provide dimensional stability and deliver superior load distribution.

Applications

- **Separation and Stabilisation:** The high strength property of TerraTextile - W TT_{PP} provides stabilisation over soft or poorly drained soils. It also helps to restrict the upward flow of water and finer soil particles into the gravel, which would otherwise

drastically reduce the load carrying capacity of the sub grade. Stabilisation application of this TerraTextile acts jointly with the function of separation.

- **Secondary Reinforcement:** TerraTextile – W TT_{PP} can be used as secondary reinforcement for Mechanically Stabilised Earth fill for controlling deformation and restricting movements during construction phases. Due to lower permeability rates of this type of TerraTextile, additional drainage provisions should be taken into consideration while using marginal fills.
- **Silt Fence:** TerraTextile – W TT_{PP} acts as a temporary barrier to mitigate silt and other sediment from polluting nearby streams, rivers and sensitive environments.

Technical Parameters

Properties	Test Method	Unit	TW-TT _{PP} 100	TW-TT _{PP} 180	TW-TT _{PP} 200	TW-TT _{PP} 250	TW-TT _{PP} 270	TT-WT _{PP} 315	
Minimum Average Roll Value¹									
Mechanical Properties									
Wide Width Tensile Strength at break	ASTM D 4595	kN/m	15	20	25	30	35	40	
Wide Width Elongation	ASTM D 4595	%	15	15	15	15	15	15	
Grab Tensile Strength	ASTM D 4632	kN	0.550	0.800	0.889	1.112	1.200	1.401	
Grab Elongation	ASTM D 4632	%	15	15	15	15	15	15	
Trapezoid Tear	ASTM D 4533	kN	0.200	0.310	0.333	0.400	0.444	0.533	
CBR Puncture Resistance	ASTM D 6241		1.445	2.668	3.113	4.003	4.448	4.448	
Hydraulic Properties									
Permittivity	ASTM D 4491	sec ⁻¹	0.10	0.05	0.05	0.05	0.05	0.05	
Water Flow Rate	ASTM D 4491	l/m ² /s	6.75	2.72	2.72	2.72	2.72	2.72	
Maximum Apparent Opening Size (AOS) ²	ASTM D 4751	µ	600	841	425	425	425	425	
UV Resistance at 500 hrs	ASTM D 4355	%	70	70	70	70	70	70	
pH Range	ASTM D2165-94		2-13						
Standard Packaging									
Roll Dimensions Width x Length ⁱⁱⁱ	m	3.81x131.49 4.57 x 109.62	3.81 X 131.49				3.81 X 109.71		
			4.57 X 109.62				4.57 X 91.46		
			5.33 X 93.99				5.33 X 78.42		
Estimated Roll Area ⁱⁱⁱ	m ²	501	501			418			

¹ All the values mentioned are of minimum average roll values (MARV) except for apparent opening size (AOS) which is maximum average roll value (MaxARV)

² These values are subject to ±1% variation possible

ⁱⁱⁱ Other roll sizes also available

NOTES

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