



TerraTextile™ – W Mu_{pp} are woven geotextiles manufactured from high strength polypropylene multifilament yarns that are woven together to form a dimensionally stable and highly permeable fabric structure. This type of TerraTextile™ fabrics have superior resistance to soil and biological clogging and acts efficiently as filter. This type of TerraTextile™ behaves very well as separator and stabiliser, allowing water to freely pass through while preventing soil erosion.

Applications

- **Soil Separation:** TerraTextile™ – W Mu_{pp} acts efficiently as a separator and helps in preventing mixing of different types of soil and prevents contamination.

- **Filtration:** This type of TerraTextile™ can be used as a filtration layer to prevent migration of fine particles.
- **Sub-grade Stabilisation:** TerraTextile™ – W Mu_{pp} improves stability, load distribution and reduces differential settlement for construction over soft soils.
- **Shoreline Revetment Systems:** TerraTextile™ – W Mu_{pp} can be used along with other products for coastal protective structures.
- **Hard Armour Underlayment:** TerraTextile™ – W Mu_{pp} as underlayment fabrics can reduce development of excessive hydrostatic pressure beneath the revetment and also prevent migration of fines.

Technical Parameters

Properties		Test Method	Unit	TW-Mu _{pp} 41	TW-Mu _{pp} 61	TW-Mu _{pp} 02	TW-Mu _{pp} 22	TW-Mu _{pp} 422	TW-Mu _{pp} 42	TW-Mu _{pp} 43	TW-Mu _{pp} 34BHP	TW-Mu _{pp} 05B	
				Minimum Average Roll Value (MARV) ⁱ									
Mechanical Properties													
Ultimate Tensile Strength	MD ^{iv}	ASTM D 4595	kN/m	30	35	55	55	60	55	80	70	120	
	CD ^v			27	30	40	42	43	40	70	70	110	
Elongation @ designated Tensile Strength	MD ^{iv}		%	30	25	25	25	25	25	25	25	25	25
	CD ^v			28	25	25	25	25	25	25	25	25	25
Trapezoidal Tearing Strength	MD ^{iv}	ASTM D 4533	N	400	500	800	700	900	1100	1800	1500	2300	
	CD ^v			350	400	500	500	500	750	1500	1500	1800	
CBR Puncture Resistance				ASTM D 6241		400	450	700	700	700	600	900	1200
Hydraulic Properties													
Maximum Apparent Opening Size (AOS) ^j		ASTM D 4751	μ	75	75	75	150	75	150	250	425	425	
Water Flow Rate		ASTM D 4491	l/m ² /s	9	9	9	25	7	32	20	33	20	
UV Resistance at 500 hrs		ASTM D 4355	%	80	80	80	80	80	80	80	80	80	
Standard Packaging													
Roll Width ⁱⁱ		-	m	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	
Roll Length ⁱⁱ		-	m	1316/100	1316/100	1316/100	1316/100	1316/100	1316/100	1316/100	65.8/50	65.8/50	
Estimated Roll Area ⁱⁱⁱ			m ²	500/500	500/500	500/500	500/500	500/500	500/500	500/500	250/250	250/250	

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

^j These values are subject to ±1% variation possible

ⁱⁱ Other roll sizes also available

^v MD - Machine Direction

^v CD - Cross Machine Direction

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.