## TerraTextile™- Woven Multifilament<sub>PP</sub>





TerraTextile™ - W Mu<sub>pp</sub> 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<sup>™</sup> – W Mu<sub>pp</sub> 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<sup>™</sup> W Mu<sub>pp</sub> improves stability, load distribution and reduces differential settlement for construction over soft soils.
- Shoreline Revetment Systems: TerraTextile™ W Mu<sub>pp</sub> can be used along with other products for coastal protective structures.
- Hard Armour Underlayment: TerraTextile<sup>™</sup> W Mu<sub>pp</sub> 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 <sub>PP</sub>	TW-Mu <sub>PP</sub>	TW-Mu <sub>PP</sub> 02	TW-Mu <sub>PP</sub>	TW-Mu <sub>pp</sub>	TW-Mu <sub>PP</sub>	TW-Mu <sub>pp</sub>	TW-Mu <sub>PP</sub> 34BHP	TW-Mu <sub>PP</sub> 05B
			Minimum Average Roll Value (MARV)									
Mechanical Prop	erties											
Ultimate Tensile Strength	MDiv	ASTM D 4595	kN/m	30	35	55	55	60	55	80	70	120
	CD <sup>v</sup>			27	30	40	42	43	40	70	70	110
Elongation @ designated Tensile Strength	MD <sup>iv</sup>		%	30	25	25	25	25	25	25	25	25
	CD⁵			28	25	25	25	25	25	25	25	25
Trapezoidal Tearing Strength	MDiv	ASTM D 4533	N	400	500	800	700	900	1100	1800	1500	2300
	CD <sup>v</sup>			350	400	500	500	500	750	1500	1500	1800
CBR Puncture Resistance				400	450	700	700	700	600	900	1200	1200
Hydraulic Proper	ties											
Maximum Apparent Opening Size (AOS) <sup>i</sup>		ASTM D 4751	μ	75	75	75	150	75	150	250	425	425
Water Flow Rate		ASTM D 4491	l/m²/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 Packag	ing											
Roll Width <sup>ii</sup>		-	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 <sup>ii</sup>		-	m	131.6/100	131.6/100	131.6/100	131.6/100	131.6/100	131.6/100	131.6/100	65.8/50	65.8/50
Estimated Roll Area <sup>iii</sup>			m²	500/500	500/500	500/500	500/500	500/500	500/500	500/500	250/250	250/250

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

- 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.

## www.geoquest-group.com

Local Contact:

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These values are subject to ±1% variation possible

iii Other roll sizes also available

<sup>&</sup>lt;sup>iv</sup> MD - Machine Direction <sup>v</sup> CD - Cross Machine Direction

NOTES