

NO: SAMM 1068

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LABORATORY LOCATION:
(PERMANENT LABORATORY)TELLUS TESTING PLT
NO. 14, JALAN PERMATA 2A/KS9,
TAMAN PERINDUSTRIAN AIR HITAM,
41200 KLANG,
SELANGOR.

FIELD OF TESTING:

MECHANICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Geosynthetics	Thickness	ASTM D5199-12: 2019
		ISO 9863-1:2016(E) / Amd 1:2019 – Method A & B
	Mass per Unit Area	ASTM D5261-10: 2024 ISO 9864:2005
	Wide width tensile strength and elongation	ASTM D4595 / D4595M-24
	Trapezoidal tearing strength	ASTM D4533/D4533M-15 (2023)
	Grab breaking load and elongation	ASTM D4632/D4632M-15a (2023)

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SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Geosynthetics	Index puncture resistance	ASTM D4833/D4833M-07:2020
	CBR static puncture	ASTM D6241-22a
	Bonded Seam Strength	ASTM D4884-22
	Apparent Opening Size	ASTM D4751-21A (Method A1)
	Water Flow in the Plane	ASTM D4716/D4716M-22
	Water Permeability	ASTM D4491/D4491M-22 (Method A) ISO 11058:2019 (E)
	Water Flow in Crimped Condition	ASTM D6918-09 (2022) (Method B)
	Determination of water discharge capacity	ISO 18325:2015
	Geosynthetics – Wide-width tensile test	ISO 10319:2024
	Width	ASTM D3774-18 (2024)
		ASTM D751-19 Clause 8

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