

918-M-077 GEOMEMBRANE

(Adopted 12-19-25)

The Standard Specifications are revised as follows:

SECTION 918, BEGIN LINE 51, DELETE AND INSERT AS FOLLOWS:

918.03 Geomembrane

This material shall consist of a geomembrane fabricated from HDPE consisting of strong, rot resistant, chemically stable long-chain synthetic polymer materials, dimensionally stable with distinct and measurable openings. The manufacturer shall submit the tests for the intended use to the Geotechnical Engineering Division.

The geomembrane shall meet the following requirements:

Test	Method	Requirements	
		Type 1A	Type 1B
Density @ 23°C, min.	ASTM D1505	0.88 g/cm ³ , minimum	0.93 g/cm ³
Sheet Thickness, min.	ASTM D5199	0.75 mm (30 mils)	1.0 mm (40 mils)
Carbon Black, min.	ASTM D4218	2%	2%
Tear Resistance, min.	ASTM D1004	9893 N (21 lbs)	98 N (22 lbs)
Tensile Properties, Strength Yield	ASTM D6693	66 lbs/in.	88 lbs/in.
Resistance to Soil Burial	ASTM D6134	minimum of 90% of original value retained	
pH	AASHTO T 289	Durability between 3 to 12	
Roll Width	Calibered	2022 ft	22 ft

Note: Geomembranes shall resist long-term contact with soils in the range of pH 3 to 12.
