

ARMORSEAL®

GEOMEMBRANE

ArmorSeal® TPO100B | 100 mil

Base Fabric	Standard	Metric
Weight	6.3 oz / yd ²	173 g / m ²
Fiber / Style	Polyester / Knit	

Coated Fabric	Standard	Metric
Thickness	100 (+/- 10) mils	2.54 (+/- 0.25) mm
Total Weight	68 (+/- 4) oz / yd ²	2,310 (+/- 102) g/m ²
Coating Type	Polypropylene Anti-static Formulation	
Coating Distribution	50 / 50	
Sealing Properties	Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	550 / 500 lbs	2,450 / 2,200 N
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	120 / 100 lbs	400 / 445 N
Ply Adhesion	D751 (mod)	35 lbs / 2 in	156 N / 5 cm
Puncture, Screwdriver	D751	80 lbs	356 N
Puncture, 1" Ball	D751	550 lbs	2,450 N
Hydrostatic Resistance	D751A	600 psi	4.1 MPa
Dimensional Stability (1 hr / 180°F)	D1204	1% (max)	1% (max)
Low Temp	D2136	-60°F	-51°C
High Temp	D1204	180°F	82°C
UV Exposure (no cracks or crazing)	G154	15,000 hrs	
Lay Flat (edge height from floor)		0.25 in (max)	
Skew (roll deviation from straightness)		<0.25 in (max) per 10 ft length	

A variety of standard widths and colors are available.

This product uses blue antistatic pigment (Cooley part no CPG745).

A One-Stop Shop. Cooley is the leading provider of a complete range of commercial and potable water-grade geomembranes—including Coolpro® reinforced polypropylene, Coolthane® polyurethane coated fabrics, and Coolshield® for high-temperature and extreme containment applications—to provide cost-competitive solutions for a wide, highly diverse range of applications.



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