

COOLTHANE®

GEOMEMBRANE

CoolThane® L1023DEP | 23 oz / yd² | 780 g / m²

Base Fabric	Standard	Metric
Weight	5.08 oz / yd ²	172 g / m ²
Fiber / Style	Polyester / Knit	

Coated Fabric	Standard	Metric
Thickness	30 (+/- 5) mils	0.76 (+/- 0.13) mm
Total Weight	23 (+/- 2) oz / yd ²	780 (+/- 68) g/m ²
Coating Type	Urethane	
Coating Distribution	60 / 40	
Sealing Properties	Dielectric / Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	350 / 300 lbs	1,557 / 1,334 N
Tensile Strength, 1" Strip (Warp / Fill)	D751B	240 / 200 lbs	1,068 / 890 N
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	160 / 160 lbs	712 / 712 N
Puncture Resistance, Screwdriver	D751	75 lbs	334 N
Puncture Resistance, Ball	D751	500 lbs	2,224 N
Hydrostatic Resistance	D751A	400 psi	2.8 MPa
Ply Adhesion	D751 (mod)	35 lbs / 2 in	155 N / 5 cm
Thermal Adhesion	D751	45 lbs / in	79 N / cm
Low Temp	D2136	-65°F	-54°C
High Temp, Cont/Interm.	D1204	160 / 180°F	71 / 82°C
Abrasion Resistance (Wheel H18 / 1 kg)	D3884	5,000 cycles	

A variety of standard widths and colors are available.

Made with TPU base resin that is certified to NSF Standard 61 for potable water contact.

Hydraulic conductivity = 1 x 10⁻⁶ cm / sec (max)

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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