Cooley Engineered Membranes
WHERE SUSTAINABLE CHEMISTRY MAKES THE DIFFERENCE

TECHNICAL SPECIFICATIONS

COOLTHANE®

WATER CONTAINMENT

CoolThane® L4090UPW | 40 oz / yd² | 1,350 g / m²

50,000-gallon water tank

Base Fabric	Standard	Metric
Weight	15.6 oz / yd²	476 g / m²
Fiber	Nylon / Polyester	

Coated Fabric	Standard	Metric
Overall Thickness	54 (+/- 2) mils	1.37 (+/- 0.05) mm
Total Weight	40 (+/- 2) oz / yd²	1,350 (+/- 68) g/m²
Thickness over Scrim	10 mils (min)	0.25 mm (min)
Coating Type	Urethane	
Coating Distribution	60 / 40	
Sealing Properties	Dielectric / Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, 1" Strip (Warp / Fill)	D751B	500 / 500 lbs	3,110 / 2,670 N
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	35 / 35 lbs	180 / 290 N
Puncture Resistance, Screwdriver	D751	200 lbs	1,000 N
Ply Adhesion	D751 (mod)	60 lbs / 2 in	133 N / 5 cm
RF Adhesion	D751	45 lbs / in	50 N / cm
Thermal Adhesion	D751	45 lbs / in	50 N / cm
Low Temp	D2136	-60°F	-51°C
High Temp, Cont/Interm.	D1204	160 / 180°F	71 / 82°C

A variety of standard widths and colors are available.

This product is designed to meet the requirements of ATPD-2265, Sizes I, II, III & IV.

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.

For further information, please contact Engineered Membranes: **401.724.9000** or **eminfo@cooleygroup.com**