

ARMORSHELL®

GEOMEMBRANE

ArmorShell® L1099KUP | 12.5 mils

Base Fabric	Standard	Metric
Weight	1.71 oz / yd ²	58 g / m ²
Fiber / Style	Polyester / Knit	

Coated Fabric	Standard	Metric
Thickness	12.5 (+/- 2.5) mils	0.32 (+/- 0.06) mm
Total Weight	10 (+/- 1) oz / yd ²	340 (+/- 34) g/m ²
Coating Type	PVC	
Coating Distribution	50 / 50	
Sealing Properties	Dielectric / Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	120 / 100 lbs	534 / 445 N
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	15 / 15 lbs	67 / 67 N
Puncture, Ball	D751	150 lbs	667 N
RF Adhesion	D751	7.5 lbs / in	13 N / cm
Thermal Adhesion	D751	7.5 lbs / in	13 N / cm
Low Temp	D2136	-40°F	-40°C
High Temp, Cont/Interm.	D1204	180 / 200°F	82 / 93°C
Abrasion Resistance (Wheel H18 / 500 g)	D3884	250 cycles	

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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