

ARMORSHELL®

GEOMEMBRANE

ArmorShell® L1310KUP | 17.5 mils

Base Fabric	Standard	Metric
Weight	2.8 oz / yd ²	95 g / m ²
Fiber / Style	Polyester / Knit	

Coated Fabric	Standard	Metric
Thickness	17.5 (+/- 2) mils	0.44 (+/- 0.05) mm
Total Weight	13.5 (+/- 1) oz / yd ²	459 (+/- 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	200 / 180 lbs	890 / 800 N
Tensile Strength, 1" Strip (Warp / Fill)	D751B	120 / 100 lbs	534 / 445 N
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	60 / 80 lbs	267 / 356 N
Puncture, Screwdriver	D751	45 lbs	200 N
Puncture, Ball	D751	275 lbs	1,220 N
Hydrostatic Resistance	D751A	250 psi	1.7 MPa
Ply Adhesion	D751 (mod)	12 lbs / 2 in	53 N / 5 cm
RF Adhesion	D751	12.5 lbs / in	22 N / cm
Thermal Adhesion	D751	12.5 lbs / in	22 N / cm
Low Temp (4 hrs / ¼" mandrel)	D2136	-40°F	-40°C
High Temp, Cont/Interm.	D1204	180 / 200°F	82 / 93°C
Abrasion Resistance (Wheel H18 / 250 g)	D3884	175 cycles	
Flame Resistance, Afterflame Time	FTMS 5903, NFPA 701 (small scale)	2 sec (max)	
Flame Resistance, Char Length	FTMS 5903, NFPA 701 (small scale)	6 in (max)	15 cm (max)

Available colors include red, white, royal blue, light gray, black, orange, forest green, pool blue and yellow.

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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