

ARMORSHIELD®

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.



The information contained herein or that is supplied by us, or on our behalf, is based upon data obtained through our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results obtained from the use thereof, or that any such use will not infringe upon any patent. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

For further information, please contact Custom Solutions: 401.724.9000 or custom@cooleygroup.com