

COOLGUARD® MPK45

WATER
 CONTAINMENT

CoolGuard® MPK45 | 45 mils

Base Fabric	Standard	Metric
Base Fabric Weight	2.7 oz / yd ²	92 g / m ²
Fiber / Style	Polyester / Knit	

Coated Fabric	Standard	Metric
Total Weight (nominal)	50 oz / yd ²	1,153 g / m ²
Thickness (+/- 10%)	45 mils	0.91 mm
Coating Type	Polymer Alloy	
Coating Distribution	50 / 50	
Sealing Properties	Dielectric, Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	250 / 200 lbs	1,112 / 890 N
Tensile Strength, 1" Strip (Warp / Fill)	D751B	130 / 120 lbs / in	228 / 210 N / cm
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	40 / 30 lbs	178 / 133 N
Puncture, Flat Tip	D4833	95 lbs	423 N
Puncture, Ball	D751	350 lbs	1,557 N
Puncture, Pyramid	FTMS 101C, 2031	200 lbs	890 N
Hydrostatic Resistance	D751A	350 psi	2.41 MPa
Dimensional Stability (180°F / 1 hr)	D1204	2.5% max.	
RF Adhesion	D751 (mod)	15 lbs / in	26 N / cm
Low Temp Bend	D2136	-25°F max.	-32°C max.
Dead Load Seam Strength	D751	100 lbs @ 70°F 50 lbs @ 160°F	445 N @ 21°C 222 N @ 71°C

A variety of standard widths and colors are available.

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