

# COOLGUARD® HRL45

WATER  
 CONTAINMENT

## CoolGuard® HRL45 | 45 mils

Base Fabric	Standard	Metric
Base Fabric Weight	8 oz / yd <sup>2</sup>	270 g / m <sup>2</sup>
Fiber / Style	Polyester / Leno	

Coated Fabric	Standard	Metric
Total Weight (nominal)	40 oz / yd <sup>2</sup>	1,310 g / m <sup>2</sup>
Thickness (+/- 10%)	45 mils	1.14 mm
Coating Type	Ethylene Terpolymer PVC Alloy	
Coating Distribution	50 / 50	
Sealing Properties	Dielectric, Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	625 / 600 lbs	2,780 / 2,670 N
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	120 / 120 lbs	534 / 534 N
Puncture, Flat Tip	D4833	220 lbs	979 N
Puncture, Ball	D751	1,000 lbs	4,450 N
Puncture, Pyramid	FTMS 101C, 2031	475 lbs	2,110 N
Hydrostatic Resistance	D751A	800 psi	5.52 MPa
Dimensional Stability (212°F   100°C / 1h)	D1204	2% max.	
Ply Adhesion	D751 (mod)	30 lbs / 2 in	133 N / 5 cm
Thermal / R.F. Adhesion	D751	20 lbs / in	35 N / cm
Low Temp Bend (1" Mandrel)	D2136	-40°F max.	-40°C max.

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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