

COOLPRO® RPP45

GEOMEMBRANE

CoolPro® RPP45 | 45 mils

Coated Fabric	Standard	Metric
Thickness (+/- 10%)	45 mils	1.1 mm
Coating Type	Polypropylene	
Coating Distribution	50 / 50	

A variety of standard widths and colors are available including NSF 61 certified material.

Mechanical Properties	ASTM Test Methods	Standard	Metric
Breaking Strength (Warp / Fill)	D751A	300 / 250 lbs	1330 / 1110 N
Tear Strength (Warp / Fill)	D751B (mod)	70 / 70 lbs	311 / 311 N
Wide Width Strength (Warp / Fill)	D4885	150 / 125 lbs / in	262 / 219 N / cm
Hydrostatic Resistance	D751A	350 psi	2.4 MPa
Puncture Resistance	FTMS 101C, 2031	300 lbs	1330 N
Ply Adhesion	D751 (mod)	40 lbs / 2 in*	178 N / 5 cm*
Dimensional Stability	D1204	1 % max	
Low Temperature	D2136	-40°F	-40°C
Abrasion Resistance (H18 / 1 kg)	D3884	7,500 cycles	
Stress Crack Resistance	D1693	3,000 hrs	
UV Resistance (black)	G154	35,000 hrs	
Ozone Resistance (100 pphm / 14 days)	D1149	No Cracks	

Factory Seam Properties	ASTM Test Methods	Standard	Metric
Bonded Seam Strength	D7749	200 lbs	890 N
Peel Adhesion	D413	20 lbs / in*	35 N / cm*

* **COMMENT** - Ply Adhesion and Peel Adhesion testing may result in a film tearing bond (FTB) if the strength between layers is greater than the strength of the material itself.

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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