



45 mil RPP COOLPRO

SPECIFICATION SHEET

CoolPro polypropylene geomembranes excel under some of the most demanding conditions on earth. CoolPro meets and exceeds the critical challenges of liquid containment (water protection / preservation and pollution control. Scrim-reinforced They are lightweight, allowing the flexibility to fabricate very large panels while minimizing field seaming. CoolPro is flexible and not prone to environmental stress cracking like other materials such as HDPE. It does not have plasticizers, which can leach and cause cracking, and contours better to ground slopes.

SUPPLY INFORMATION (STANDARD ROLL DIMENSIONS)

COATED FABRIC	STANDARD	METRIC
THICKNESS (+/- 10%)	45 mils	1.1 mm
COATING TYPE	POLYPROPYLENE	
COATING DISTRIBUTION	50 / 50	

PRODUCT PERFORMANCE

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.

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