

PRODUCT SPECIFICATION

1.0 STYLE

CoolPro[®] RPP45

2.0 COATED FABRIC

	<u>Standard</u>	<u>Metric</u>
2.1 Thickness ($\pm 10\%$)	45 mil	1.1 mm
2.3 Type of Coating	Polypropylene	
2.4 Coating Distribution	50 / 50	

3.0 MECHANICAL PROPERTIES

		<u>Standard</u>	<u>Metric</u>	ASTM TEST METHODS
3.1 Breaking Strength	Warp (MD)	300 lbs	1330 N	D751A
	Fill (TD)	250 lbs	1110 N	
3.2 Tear Strength	Warp (MD)	70 lbs	311 N	D751B (mod)
	Fill (TD)	70 lbs	311 N	
3.3 Wide Width Strength	Warp (MD)	150 lbs/in	262 N/cm	D4885
	Fill (TD)	125 lbs/in	219 N/cm	
3.3 Hydrostatic Resistance		350 psi	2.4 MPa	D751A
3.4 Puncture Resistance		300 lbs	1330 N	FTMS 101C, 2031
3.5 Ply Adhesion		40 lbs/2 in*	178 N/5 cm*	D751 (mod)
3.6 Dimensional Stability		1 % max	1 % max	D1204
3.7 Low Temperature		-40 °F	-40 °C	D2136
3.8 Abrasion Resistance (H18 / 1 kg)		7,500 cycles	7,500 cycles	D3884
3.9 Stress Crack Resistance		3,000 hrs	3,000 hrs	D1693
3.10 UV Resistance (black)		20,000 hrs	20,000 hrs	G155

4.0 FACTORY SEAM PROPERTIES

4.1 Bonded Seam Strength	200 lbs	890 N	D751, NSF Mod.
4.2 Peel Adhesion	20 lbs/in*	35 N/cm*	D413

* 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 variety of standard widths and colors are available including **NSF 61 certified** material. Contact Cooley Engineered Membranes for details.

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