

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)		35,000 hrs	35,000 hrs	G154
3.11 Ozone Resistance (100 pphm / 14 days)		No Cracks	No Cracks	D1149

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

COMMENTS

- 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 Membrane.

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