

PRODUCT SPECIFICATION

**1.0 STYLE**

**CoolPro<sup>®</sup> RPP20**

**2.0 COATED FABRIC**

	<u>Standard</u>	<u>Metric</u>
2.1 Thickness ( $\pm 10\%$ )	20 mil	0.50 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)	200 lbs	890 N	D751A
Fill (TD)	200 lbs	890 N	
3.2 Tear Strength			
Warp (MD)	70 lbs	311 N	D751B (mod)
Fill (TD)	70 lbs	311 N	
3.3 Hydrostatic Resistance	300 psi	2.1 MPa	D751A
3.4 Puncture Resistance	250 lbs	1110 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)	2,500 cycles	2,500 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

**4.0 FACTORY SEAM PROPERTIES**

4.1 Bonded Seam Strength	160 lbs	712 N	D751, NSF Mod.
4.2 Peel Adhesion	10 lbs/in	17 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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