



TECHNICAL DATA SHEET

RPP 36

Geomembrane - Reinforced Polypropylene

COATED FABRIC

	<u>Standard</u>	<u>Metric</u>
2.1 Thickness (+10%)	36 <i>mil</i>	0.91 <i>mm</i>
2.3 Type of Coating	Polypropylene	
2.4 Coating Distribution	50 / 50	

MECHANICAL PROPERTIES

		<u>Standard</u>	<u>Metric</u>	ASTM TEST METHODS
3.1 Breaking Strength	Warp (MD)	275 <i>lbs</i>	1220 <i>N</i>	D751A
	Fill (TD)	250 <i>lbs</i>	1110 <i>N</i>	
3.2 Tear Strength	Warp (MD)	70 <i>lbs</i>	311 <i>N</i>	D751B (mod)
	Fill (TD)	70 <i>lbs</i>	311 <i>N</i>	
3.3 Wide Width Strength	Warp (MD)	150 <i>lbs/in</i>	262 <i>N/cm</i>	D4885
	Fill (TD)	125 <i>lbs/in</i>	219 <i>N/cm</i>	
3.3 Hydrostatic Resistance		350 <i>psi</i>	2.4 <i>MPa</i>	D751A
3.4 Puncture Resistance		300 <i>lbs</i>	1330 <i>N</i>	FTMS 101C, 2031
3.5 Ply Adhesion		40 <i>lbs/2 in*</i>	178 <i>N/5 cm*</i>	D751 (mod)
3.6 Dimensional Stability		1 <i>% max</i>	1 <i>% max</i>	D1204
3.7 Low Temperature		-40 <i>°F</i>	-40 <i>°C</i>	D2136
3.8 Abrasion Resistance (H18 / 1 kg)		5,000 <i>cycles</i>	5,000 <i>cycles</i>	D3884
3.9 Stress Crack Resistance		3,000 <i>hrs</i>	3,000 <i>hrs</i>	D1693
3.10 UV Resistance (black)		35,000 <i>hrs</i>	35,000 <i>hrs</i>	G154
3.11 Ozone Resistance (100 ppm / 14 days)		No Cracks	No Cracks	D1149

FACTORY SEAM PROPERTIES

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

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PRODUCT DATA SHEET

3/23/2016

FELT

PHYSICAL PROPERTY	TEST METHOD	RESULTS
WEIGHT	ASTM D3776	15 OZ YD2
TENSILE STRENGTH	ASTM D5034	MD= 68 LB CMD= 81 LBS
TRAPEZOIDAL TEAR	ASTM D5587	MD= 33 LB CMD= 52 LBS
FLAMMABILITY PILL TEST 1630 SURFACE FLAMMABILITY OF CARPETS & RUGS (FF 1-70) & (FF-2-70).	A SPECIMEN PASSES THE TEST IF THE CHARRED PORTION DOES NOT EXTEND TO WITHIN 1 INCH OF THE EDGE OF THE HOLE	PASS

ISSUED BY: QC DEPT.