



60747

Product Specification

Chemical, Oil, and High Temperature Resistant Geomembrane

Test	Method	Units	Target	Typical Value
Fabric Weight	ASTM D3776	oz/yd ²	8	7
Finished Weight	ASTM D751	oz/yd ²	38	37.4
Thickness	ASTM D751	mils	40	46
Break Strength	ASTM D751	lbs	550/550	690/650
Tear Strength	ASTM D4533	lbs	35/35	110/145
Low Temp. Resistance	ASTM D2136	-30°F	Pass	Pass
Dimensional Stability	ASTM D1204	%	1.5	2/1
Hydrostatic Resistance	ASTM D751 A	psi	800	> 1000
Blocking Resistance	ASTM D751	180 °F (#2 rating)	Pass	Pass
Adhesion	ASTM D751	lbs/in.	≥ 15	17
Adhesion Heat Welded Seam	ASTM D751	lbs/in.	≥ 35	109
Dead Load Seam Strength	ASTM D751	210 lbs/in. @ 70°F	Pass	Pass Top Seam 0.02” Bottom Seam 0.02”
	ASTM D751	105 lbs/in @ 160°F	Pass	Pass Top Seam 0.04” Bottom Seam 0.03”
Bonded Seam Strength	ASTM D751	lbs	550	> 550
Abrasion Resistance	Tabor 5305	50 mg/100 cyc	Pass	20.5
		2000 cyc	No exposure	Pass
Weathering Resistance	QUV	hrs	8000	5000
Water Extraction	ASTM D3038	%	< 0.5	< 0.25
Wicking		in	< 0.25	Pass
Bursting Strength	ASTM D751	psi	650	> 1000
Puncture Resistance	ASTM D4833	lbs	250	318
Coefficient of Thermal Expansion	ASTM D696	mm/mm · °C	1.8 · 10 ⁻⁵	MD 1.8 · 10 ⁻⁵
				CMD 1.5 · 10 ⁻⁵