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## PRODUCT DATA SHEET

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PRODUCT NAME AND SYNONYMS: **PVC 80 MIL MEMBRANE**

Parameters	ASTM Test Method	ASTM D-4434 Spec. Requirement	Typical Physical Properties
Reinforcing Material	—	—	Polyester
Overall Thickness, min., inches (mm)	D751	0.045 (1.14)	0.080 (2.0)
Breaking Strength, min., lbf/in. (KN/m)	D751	200 (35.0)	230 (40.0)
Elongation at Break, min.	D751	15%	20%
Seam Strength*, min., (% of breaking strength)	D751	75	85
Retention of Properties After Heat Aging	D3045	—	—
Tensile Strength, min., (% of original)	D751	90	95
Elongation, min., (% of original)	D751	90	90
Tearing Strength, min., lbf (N)	D1004	45.0 (200)	50 (220.0)
Low Temperature Bend, -40°F (-40°C)	D2136	Pass	Pass
Accelerated Weathering Test (Xenon Arc)	G53-96	5,000 Hours	10,000 Hours
Cracking (7X Magnification)	—	None	None
Discoloration (by observation)	—	Negligible	Negligible
Crazing (7X magnification)	—	None	None
Linear Dimensional Change	D1204	0.5% max.	0.1%
Weight Change After Immersion in Water	D570	±30% max.	2.5%
Static Puncture Resistance, 33 lbf (15 kg)	D5602	Pass	Pass
Dynamic Puncture Resistance, 14.7 ft-lbf (20 J)	D5635	Pass	Pass
Initial Solar Reflectance	E903	—	0.83
Emissivity	E408, C1371, Other	—	0.92
Solar Reflective Index (SRI)	E1980	—	>104

\*Failure occurs through membrane rupture not seam failure.

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