



Physical Properties	ASTM Test Method	McGuire FlexGuard	Carlisle Sure-Weld	GAF EverGuard
TPO Nominal Thickness	ASTM D751	0.062"	0.060"	0.060"
Thickness over Scrim	ASTM 7635	0.022"	0.024"	0.0241"
Breaking Strength	ASTM D751 <small>Grab Method</small>	396x391 lbf	360 lbf	400x360 lbf
Elongation at Break	ASTM D751	30 %	25 %	30 %
Tear Strength	ASTM D751 <small>(8"x8" Sample)</small>	91x82 lbf	130 lbf	70x130 lbf
Brittleness Point	ASTM D2137	-40° F	-50° F	-40° F
Ozone Resistance	ASTM D1149	Pass	Pass	Pass
Properties After Heat Aging	ASTM D573	Pass	Pass	Pass
Linear Dimensional Change	ASTM D1204	-0.2 %	-0.2 %	0.4 %
Water Absorption	ASTM D471	0.0 % ✓	0.9 %	0.7 %
Factory Seam Strength	ASTM D751	158 lbf ✓	>66 lbf	145 lbf
Puncture Resistance		YES	YES	YES

✓ = Industry Leading Metric per ASTM Average Testing Results