

UltraGard PVC/TPO Roofing Specifications

Property	Test Method	SR-50/V-2 50		SR-60/V-2 60		SR-80	
		Min./Max. Req'd	Typical	Min./Max. Req'd	Typical	Min./Max. Req'd	Typical
Thickness	ASTM D 751	.045 in.	.050±10%	.045 in.	.060±10%	.045 in.	.080±10%
Breaking Strength	ASTM D 751A	200 lbf.	300 lbf.	200 lbf.	396 lbf.	200 lbf.	420 lbf.
Elongation at Break	ASTM D 751A	15%	32%	15%	34%	15%	37%
Seam Strength (% of breaking Strength)	ASTM D 751A	75%	100%	75%	103%	75%	110%
Retention of Properties After Heat Aging (1698 hrs. at 194°F)	ASTM D 3045						
Breaking Strength		90%	94%	90%	90%	90%	95%
Elongation		90%	97%	90%	105%	90%	120%
Tear Resistance	ASTM D 751B	45 lbf.	53 lbf.	45 lbf.	56 lbf.	45 lbf.	70 lbf.
Low Temperature Bend	ASTM D 2136	Pass @-40°F	Pass @-40°F	Pass @-40°F	Pass @-40°F	Pass @-40°F	Pass @-40°F
Accelerated Weathering Cracking (7x mag.)	ASTM D 2565	None	None	None	None	None	None
Discoloration		Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
Crazing (7x mag.)		None	None	None	None	None	None
Linear Dimensional Change (%)	ASTM D 1204	0.5% max.	0.15%	0.5% max.	0.14%	0.5% max	0.14%
Change in Weight After Immersion in Water (168 hrs. at 158°F)	ASTM D 570	±3% max.	1.70%	±3% max.	1.50%	±3% max.	1.71%