

EverGuard® TPO 80 mil Membrane Product Data Sheet

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Product Data Sheet EverGuard® TPO 80 mil Membrane

Title 24*
Compliant



Description

GAF EverGuard® TPO 80 mil thermoplastic polyolefin single-ply membrane systems have been engineered to provide superior long-term performance and enhanced durability. Strong, flexible EverGuard® TPO 80 mil membrane is suitable for use in all types of single-ply systems: Mechanically Attached, Fully Adhered, and Ballast Applied.

Compared to other heavy-duty single-ply EPDM, PVC and TPO membranes, GAF EverGuard® TPO 80 mil roofing membrane provides the benefits of all three materials in a single membrane: low installed cost, heat welded seams, white reflective color, no liquid plasticizing, and high tear/puncture resistance.

Applicable Standards

UL Listed, FM Approved, Dade County Product Approval, Florida Building Code Approved, CRRC Listed, Title 24 Compliant, ENERGY STAR® Listed, ASTM D6878.

Physical Properties	ASTM Test Method	ASTM 6878 Minimum	EverGuard® Typical Test Data
1. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format. 2. Data is based upon typical product performance, and is subject to normal manufacturing tolerance and variance			
Nominal Thickness	ASTM D-751	0.039" (min.)	0.080"
Breaking Strength	ASTM D-751 Grab Method	220 lbf/in.	360 lbf x 340 lbf
Seam Strength	ASTM D-751	66 lbf	140 lbf (membrane failure).
Elongation at Break	ASTM D-751	15%	30%
Heat Aging	ASTM D-573	90% Retention of Breaking Strength and Elongation at Break	100%
Tear Strength	ASTM D-751 8" x 8" Sample	55 lbf	60 lbf x 150 lbf
Puncture Resistance	FTM 101C Method 2031	Not Established	>380 lbs.
Cold Brittleness	ASTM D-2137	-40 C	-40 C
Permeance	ASTM E-96	Not Established	0.01 Perms
Dimensional Change	ASTM D-1204 @158 F, 6 hrs.	+/- 1%	0.4%
Water Absorption	ASTM D-471 @158 F, 1 week	+/- 3%	0.7%
Hydrostatic Resistance	ASTM D-751 Method D	Not Established	>430 psi
Ozone Resistance	ASTM D-1149	No visible deterioration @ 7 x magnification	No visible deterioration @ 7 x magnification
Reflectivity (white)	ASTM C1549	N/A	0.76
Emissivity (white)	ASTM C1371	N/A	0.90

Product Data

Roll Size	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation				
	Colors	Full Roll Size	Full Roll Weight	Half Roll Size	Half Roll Weight
	White, Tan, Gray, Regal Red, Regal Blue, Hartford Green	10' x 100' (1,000 sq.ft.)	420 lbs.	5' x 100' (500 sq.ft.)	210 lbs.
Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded					
Storage	Store rolls on their sides on pallets or shelving in a dry area				
Safety Warning	Membrane rolls are heavy. Position and install by at least two people.				

* White Membrane Only