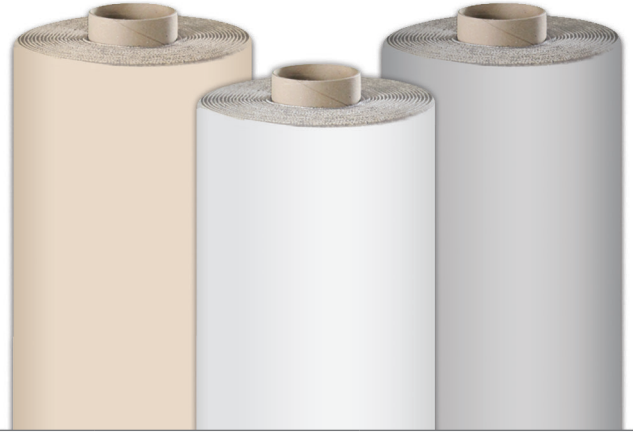


SENTINEL® G150

Thermoplastic Polyvinyl Chloride (PVC) Roof Membrane

DESCRIPTION

SENTINEL® G150 is a high performance, fiberglass reinforced, thermoplastic polyvinyl chloride (PVC) roof membrane, specially designed to provide unmatched flexibility and long-term performance. SENTINEL® membranes provide the proven fire and chemical resistance of PVC along with the superior weldability, making it easy to conform to complex geometries. SENTINEL® G150 is available in an ENERGY STAR® approved white as well as a variety of colors, including gray and tan.



TECHNICAL CHARACTERISTICS*

SENTINEL® G150 Results*

PROPERTY	MD	XMD	TEST METHOD
Breaking Strength; lbf/in	100	90	ASTM D751
Breaking Strength; psi	1,667	1,500	ASTM D751
Elongation at Break; %	260	260	ASTM D751
Seam Strength; min. 75% of breaking strength	Pass	Pass	ASTM D751
Tearing Strength; lbf	115	60	ASTM D751, Proc. B
Low Temperature bend @ -40°F	Pass	Pass	ASTM D2136
Linear Dimensional Change @ 176°F; %	< 0.1	< 0.1	ASTM D1204
Water Absorption; %	< 3	< 3	ASTM D570
Static Puncture Resistance @ ≥ 73°F; lbf (min. 15 kg)	Pass	Pass	ASTM D5602
Dynamic Puncture Resistance; 10 J minimum	Pass	Pass	ASTM D5635

* All values shown are nominal and subject to normal manufacturing tolerances.

ENERGY AND ENVIRONMENT

PRODUCT	SOLAR REFLECTANCE ASTM C 1549		THERMAL EMITTANCE ASTM E1371		SRI ASTM E1980	
	INITIAL	3-YEAR	INITIAL	3-YEAR	INITIAL	3-YEAR
White	0.85	0.73	0.89	0.88	108	90
Gray	0.46	-	0.89	-	53	-
Tan	0.72	-	0.85	-	88	-

* 3-year values are pending.

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PRODUCT INFORMATION*

PRODUCT # /COLOR	WIDTH (ft)	LENGTH (ft)	THICKNESS (mils)	COVERAGE (ft ²)	ROLL WEIGHT (lb)	ROLLS/ PALLET	PALLET WEIGHT (lb)
P300 (White)	10	100	60	1,000	368	10	3,830
P300-D (White)	2.5	100	60	250	92	10	1,890
P300-D-T (Tan)							
P300-D-G (Gray)							

* All values shown are nominal and subject to normal manufacturing tolerances.

APPLICATION

SENTINEL® G150 can be installed with SENTINEL® H2O or SENTINEL® S Bonding adhesives. Please refer to the specific adhesive data sheet for application guidelines. SENTINEL® G150 cannot be used with mechanically attached systems. All laps must be heat-welded to ensure a watertight seal.

STORAGE & HANDLING

Store rolls in a clean, dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of SENTINEL® G150.



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