

# SOPRALENE®

## 180 SP 3.5

SOPRALENE® 180 SP 3.5  
PRODUCT # 00621

## PRODUCT DATA SHEET

### DESCRIPTION & FEATURES

SOPRALENE 180 SP 3.5 (sanded, polyolefin) is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies. SOPRALENE 180 SP 3.5 is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with a tough, dimensionally stable non-woven polyester mat. The topside is surfaced with fine mineral aggregate and underside is surfaced with polyolefin burn-off film to optimize heat welding.

### STORAGE & HANDLING

Store rolls on end and maintain in an upright position to prevent damage. 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 SOPRALENE 180 SP 3.5.

### APPLICATION

Prior to installation, unroll SOPRALENE 180 SP 3.5 onto the roof surface and allow to relax. Position SOPRALENE 180 SP 3.5 in desired position and back roll the product. SOPRALENE 180 SP 3.5 is then heat welded to approved substrates. Subsequent approved inter-ply or cap ply membranes are applied to SOPRALENE 180 SP 3.5 via cold adhesive or hot asphalt. Refer to the SOPREMA® SBS Roofing Manual for additional application guidelines.



APPLICATION



HEAT-WELDED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6164 Type 1, Grade S	32.8 (10.0 m)	39.4 (1.0 m)	97.9 (9.1 m²)	138 (3.5 mm)	95 (43.1 kg)	25 (2,425 lb/ 1,100 kg)

\* Coverage rate as reported assumes installation using side and end lap recommendations.



**SOPREMA®**

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## TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Reinforcement	Non-woven polyester
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Surfacing	Sanded
Back surfacing	Polyolefin film
Side lap, in (mm)	3 (76)
End lap, in (mm)	6 (152)

DIMENSIONS & MASS		
PROPERTY		TEST METHOD
Thickness, mils (mm)	138 (3.5)	ASTM D5147
Thickness @ selvage, mils (mm)	138 (3.3) 114 (2.9) minimum	ASTM D5147
Net mass per unit area, lb/100ft <sup>2</sup> (g/m <sup>2</sup> )	85 (4188)	ASTM D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	ASTM D5147

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	115 (20.1)	90 (15.8)	ASTM D5147
Elongation at peak load @ 0°F (-18°C), %	35	40	ASTM D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	85 (14.9)	65 (11.4)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	55	60	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	65	80	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	125 (556)	85 (378)	ASTM D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	ASTM D5147
Dimensional stability, %	< 0.5	< 0.5	ASTM D5147
Compound stability, °F (°C)	240 (116)	240 (116)	ASTM D5147

\* Data is represented by average values, unless noted otherwise.

## TESTING & APPROVALS

