PARASOLO TPX™
FLEECE-BACK SHEETS: 50-60-80 MIL
Commercial Product Data Sheet



Parasolo TPX™ is a TPO single-ply membrane utilizing a thermoplastic blend that offers enhanced performance when compared to conventional TPO membranes. The polyester fleece backing offers inherent flexibility, heat sealable properties, UV resistance and high reflectivity (white only).

Contact Siplast for information on approved product uses.

USES:
ROOFING MEMBRANE
FLASHING SHEET

Standard	ASTM D6878
Color	White

Roll Sizes		
Thickness	Full Sheet	Half Sheet
50 mils	10 ft x 100 ft (3.05 m x 30.5 m)	5 ft x 100 ft (1.52 m x 30.5 m)
60 mils	10 ft x 100 ft (3.05 m x 30.5 m)	5 ft x 100 ft (1.52 m x 30.5 m)
80 mils	10 ft x 50 ft (3.05 m x 15.24 m)	5 ft x 50 ft (1.52 m x 15.24 m)

Roll Weights (avg.)		
	Full Sheet	Half Sheet
50 mils	350 lb (159 kg)	180 lb (82 kg)
60 mils	322 lb (146 kg)	162 lb (73.5 kg)
80 mils	230 lb (104 kg)	116 lb (53 kg)

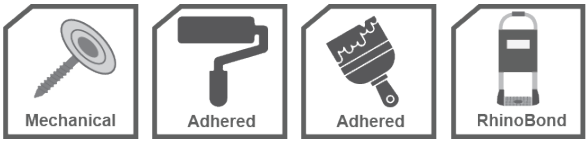
LEED Information	
Manufacturing Locations	Cedar City, UT Gainesville, TX

Note: Product-specific EPD contributes toward satisfying Environmental Product Declaration credit under LEED®. Declare Label contributes toward satisfying Material Ingredients credit under LEED®.

PRODUCT INFORMATION

Application

Refer to the Siplast Technical Guide for detailed application information on the application of Parasolo TPO membranes.



Storage and Handling

All Siplast roofing products should be stored on a clean, flat surface. All roofing products should be stored in a dry place out of direct exposure to the elements at temperatures below 100°F (38°C). Material should be handled so that it remains dry prior to and during installation.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Rolls Per Pallet: 10 (All Thicknesses)
Rolls are shipped horizontally on pallets, stacked pyramid-style and banded.

Listings, Approvals, & Certifications

c UL us LISTED · FM APPROVED · CRRC RATED PRODUCT

Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies.
FM Approved: Refer to RoofNav.com for specific assemblies.
CRRC Rated – Can be used to comply with Title 24, Part 6 Cool Roof Requirements of California Code of Regulations (white only).
Florida Product Approved.

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PARASOLO TPX™ FLEECE-BACK SHEETS
Physical and Mechanical Properties

siplast® With you every step of the way

Property (as Manufactured)	Test Method	Typical Values (min.)	Test Values (approx.)* 50	60	80
Thickness (nom.)	ASTM D751	0.039 in	0.049 in (1.24 mm)	0.056 in (1.42 mm)	0.076 in (1.93 mm)
Thickness over Scrim	ASTM D7635	0.015 in	20 mil (nominal)	25 mil (nominal)	33 mil (nominal)
Breaking Strength	ASTM D751 Grab Method MD	220 lbf	480 lbf x 415 lbf (714 x 618 kg/m)	500 lbf x 425 lbf (744 x 632 kg/m)	570 lbf x 490 lbf (848 x 729 kg/m)
Elongation at Break	ASTM D751	15%	30.60%	30.20%	30.60%
Tear Strength	ASTM D751 (8" x 8" Sample)	55 lbf	95 lbf x 160 lbf (141 x 238 kg/m)	80 lbf x 162 lbf (119 x 241 kg/m)	75 lbf x 165 lbf (112 x 246 kg/m)
Brittleness Point	ASTM D2137	-40°F	-40°F		
Ozone Resistance	ASTM D1149	No Cracks @ 7x magnification	Pass	Pass	Pass
Properties after Heat Aging	ASTM D573	≤1.5% Weight change after 8 weeks @ 275°F; No cracks @ 7x magnification	Pass	Pass	Pass
Linear Dimensional Change	ASTM D1204	±1%	0.39%	0.22%	0.16%
Water Absorption	ASTM D471	±3%	0.14%	0.14%	0.17%
Factory Seam Strength (Membrane Failure)	ASTM G751	66 lbf	127 lbf (189 kg/m)	145 lbf (216 kg/m)	157 lbf (234 kg/m)
Weather Resistance	ASTM G155	10,080 kJ/m² at 340 nm; No cracks @ 7x magnification	>48,000 kj/m²	>51,000 kj/m²	>51,000 kj/m²

* Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.

Testing and Aging						
	FTM 101C Method 2031	Not Established	570 lb. (259 kg)	605 lb. (274 kg)	505 lb. (229 kg)	660.50 lb. (300 kg)
Puncture Resistance	UAWS	Total radiation @ 8400 MJ/m2 UV, no cracking	Pass	Pass	Pass	Pass

Cool Roof Rating Council (CRRC)							
Color	Rated Product ID#	Initial			Aged		
		Solar Reflectance (ASTM C1549)	Thermal Emittance (ASTM C1371)	Solar Reflectance Index (ASTM E1980)	Solar Reflectance (ASTM C1549)	Thermal Emittance (ASTM C1371)	Solar Reflectance Index (ASTM E1980)
White	0742-0027	0.83	0.84	104	0.72	0.91	90

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