

# PARASOLO™ PVC

## SMOOTH-SURFACE SHEETS: 50-60-80 MIL

### Commercial Product Data Sheet



Parasolo PVC is a single-ply membrane utilizing a PVC blend. Parasolo PVC is heat weldable and has excellent fire and chemical resistance properties.

Contact Siplast for information on approved product uses.

**USES:**  
FIELD SHEET  
FLASHING SHEET

#### PRODUCT INFORMATION

|                                   |   |                                   |
|-----------------------------------|---|-----------------------------------|
| <b>Standards</b>                  | ASTM D4434 Standard Specification for Poly Vinyl Chloride Sheet Roofing (Type III)                    |                                   |
| <b>Roll Sizes</b>                 | Full-Sheet<br>50-60 mil: 10 ft x 100 ft (3.05 m x 30.5 m)<br>80 mil: 10 ft x 80 ft (3.05 m x 24.38 m) |                                   |
|                                   | Half-Sheet<br>50-60 mil: 5 ft x 100 ft (1.52 m x 30.5 m)<br>80 mil: 5 ft x 80 ft (1.52 m x 24.38 m)   |                                   |
| <b>Roll Weights (nom.)</b>        | 50 mils   | Full-Sheet<br>350.6 lb (161.5 kg) |
|                                   |   | Half-Sheet<br>175.25 lb (79.5 kg) |
|                                   | 60 mils   | Full-Sheet<br>398.2 lb (180.6 kg) |
| Half-Sheet<br>199.1 lb (90.31 kg) |   |                                   |
| 80 mils                           | Full-Sheet<br>422.5 lb (191.6 kg)   |                                   |
|                                   | Half-Sheet<br>211.25 lb (95.88 kg)  |                                   |

#### Application

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



#### Storage and Handling

All Siplast roll roofing products should be stored on end on a clean, flat surface. All roofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled so that it remains dry prior to and during installation.

#### Packaging

Pallet: 41 in x 48 in (104 cm x 122 cm) wooden pallet  
Rolls Per Pallet: 7 (50 mil); 10 (60 & 80 mil)

#### Listings, Approvals, & Certifications



#### LEED Data

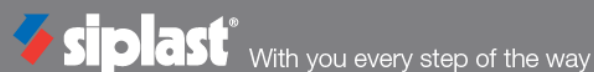
|                        |                |
|------------------------|----------------|
| Manufacturing Location | Cedar City, UT |
| SRI (Initial)          | 110            |
| SRI (Aged*)            | 85             |

\*Calculated based upon CRRC Rapid Ratings ([www.coolroofs.org](http://www.coolroofs.org))

Current copies of all Siplast Commercial Product Data Sheets are posted on our website at [www.siplast.com](http://www.siplast.com)  
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# PARASOLO™ PVC SMOOTH SURFACE

Physical and Mechanical Properties



| Property (as Manufactured)                  | Test Method | Test Method (min. value)                | Typical Values                                     |  |  |
|---|-------------|---|--|--|--|
|   |             |   | 50 mils  | 60 mils  | 80 mils  |
| Thickness (nom.)                            | ASTM D751   | 0.046" (1.14 mm)                        | 50 mil (1.27 mm)                                   | 60 mil (1.52 mm)                                   | 80 mil (2 mm)                                      |
| Thickness over Scrim (nom.)                 | ASTM D7635  | 0.016" (0.4 mm)                         | 17 mil (0.413 mm)                                  | 25 mil (0.64 mm)                                   | 30 mil (0.76 mm)                                   |
| Weight (lb/sf) (kg/m <sup>2</sup> ) (nom.)  | N/A         | N/A                                     | 0.350 lb/ft <sup>2</sup> (1.71 kg/m <sup>2</sup> ) | 0.398 lb/ft <sup>2</sup> (1.94 kg/m <sup>2</sup> ) | 0.528 lb/ft <sup>2</sup> (2.58 kg/m <sup>2</sup> ) |
| Breaking Strength                           | ASTM D751   | 200 lbf (890 N) (MD & MCD)              | >270 lbf (1201 N)                                  | >270 lbf (1201 N)                                  | >325 lbf (1446 N)                                  |
| Breaking Strength (after heat aging)        | ASTM D3045  | 90%                                     | Pass   | Pass   | Pass   |
| Elongation at Break                         | ASTM D751   | 15% (MD & CMD)                          | 25%  | 25%  | 25%  |
| Elongation at Break (after heat aging)      | ASTM D3045  | 90%                                     | Pass   | Pass   | Pass   |
| Seam Strength                               | ASTM D751   | 75% (% of tensile or breaking strength) | Pass   | Pass   | Pass   |
| Tearing-Strength                            | ASTM D751   | 45 lbf (200 N) (MD & MCD)               | Pass   | Pass   | Pass   |
| Low Temperature Bend                        | ASTM D2136  | -40°C                                   | Pass   | Pass   | Pass   |
| Accelerated Weathering (Siplast Values*)    | ASTM G154*  | Pass                                    | >38,360 KJ/m <sup>2</sup>                          | >38,360 KJ/m <sup>2</sup>                          | >38,360 KJ/m <sup>2</sup>                          |
| Dimensional Stability                       | ASTM D1204  | ≤0.5%                                   | ≤0.3%  | ≤0.3%  | ≤0.3%  |
| Change in Weight after Water Immersion      | ASTM D570   | ± 3%                                    | Pass   | Pass   | Pass   |
| Static Puncture Resistance                  | ASTM D5602  | Pass                                    | Pass   | Pass   | Pass   |
| Dynamic Puncture Resistance                 | ASTM D5635  | Pass                                    | Pass   | Pass   | Pass   |
| Initial Solar Reflectance (CRRC)            | ASTM C1549  | N/A                                     | 0.87   |  |  |
| Solar Reflectance (CRRC) (3-year aged)      | ASTM C1549  | N/A                                     | 0.70   |  |  |
| Initial Thermal Emittance (CRRC)            | ASTM C1371  | N/A                                     | 0.87   |  |  |
| Thermal Emittance (CRRC) (3-year aged)      | ASTM C1371  | N/A                                     | 0.88   |  |  |
| Solar Reflectance Index (SRI) (initial)     | ASTM E1980  | N/A                                     | 110  |  |  |
| Solar Reflectance Index (SRI) (3-year aged) | ASTM E1980  | N/A                                     | 85   |  |  |

\*At an irradiance level of 1.55 W/m<sup>2</sup> at 340 nm.