SUN PROCESS
Product Information Data

SU-PRO® AL200/SIL SERIES
HIGH TEMPERATURE ALUMINUM FOIL
PRESSURE SENSITIVE

SERIES NUMBER
AL200/SIL

MATERIAL THICKNESS
2.0 mil

WITH ADHESIVE
3.4 mil

Thickness ± 10%, including adhesive
The following characteristics are on typical laboratory data:

DESCRIPTION: A dead soft aluminum foil backing combined with a silicone adhesive and a clear, easy release film liner that can be used in many high temperature applications.

APPLICATION IDEAS:
• Moisture barrier around doors and windows to help prevent fogging of glass.
• Seal for automotive air bag inflators.
• To hold insulation on hot air ducts in industry.
• Cover resistance wire heating elements to help distribute the heat.
• As a heat reflective wrap used in conjunction with insulation, tube, cables, or where otherwise required for high heat protection.

Features
• Aluminum foil backing
• Silicone adhesive

Advantages
• Excellent protection
• Heat reflective
• Flame resistant
• Wide temperature range

Benefits
• Helps protect parts from water, dust or chemical damage
• Helps protect from heat damage
• Will not aid combustion
• Will seal or help protect even under extreme temperature conditions
CONSTRUCTION:

<table>
<thead>
<tr>
<th>Backing</th>
<th>Adhesive</th>
<th>Liner</th>
<th>Standard Roll Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Foil (alloy 1235-0)</td>
<td>Silicone (White)</td>
<td>Clear, Easy-Release Film</td>
<td>100 yards (91m)</td>
</tr>
</tbody>
</table>

TYPICAL PHYSICAL PROPERTIES AND PERFORMANCE CHARACTERISTICS:

- Adhesion to Steel: 34 oz./in width (37N/100mm) - ASTM D-3330
- Tensile Strength: 23 lbs./in/ width (403 N/100mm) - ASTM D-3759
- Elongation at Break: 4% - ASTM D-3759
- Backing Thickness: 1.9 mils (.048mm) - ASTM D-3652
- Total Tape Thickness: 3.4 mils (.086mm) - ASTM D-3652
- Liner Thickness: 2.0 mils (.050mm) - ASTM D-3652
- Water Vapor Transmission Rate: .1 gms (H2O/100 sq.in./24 hrs.) (1.55 g/m²/24 hrs.) - ASTM D-3833
- Temperature Use Range: Permanent Appl. -65°F to 600°F (-54°C to 316°C)
  Removable Appl. -65°F to 375°F (-54°C to 190°C)

* Data reflects averages and is not to be used for specification purposes.

GENERAL INFORMATION:

- AL200/SIL tape can easily be die-cut into special sizes or shapes.
- Best results obtained when applied to a clean surface above 32°F (0°C).
- Store in a clean dry place at 60-80°F (15-27°C) and 40-50% relative humidity, no longer than 3 months from date of manufacture.
- Good holding, splicing, sealing, patching or general protecting tape on many applications involving high temperatures.
- Performance range from -65°F to over 600°F (-54°C to over 316°C). Adhesive will gradually thermoset at high temperatures. As it thermosets, the adhesive mass becomes firm and gradually loses its pressure sensitivity but will continue to hold the tape in place.
- Aluminum backing provides excellent reflection of both heat and light.

ISO 9001:2015

This Sun Process product was manufactured under our quality system registered to ISO 9001:2015 standards

TECHNICAL INFORMATION

The technical information, recommendations and other statements contained in this document are based upon tests or experience that Sun Process believes are reliable, but the accuracy or completeness of such information is not guaranteed. They do not relieve the purchaser from the responsibility of examining the products upon delivery or provide assurance of the products suitability for a particular purpose. Suitability for any given application is the sole responsibility of the user.

SUN PROCESS CONVERTING, INC.
1660 Kenneth Drive, Mt. Prospect, IL 60056
Toll Free: (800) 323-0697 • In Illinois: (847) 593-0447 • Fax: (847) 593-0115
Website: www.sunprocess.com • Email: sales@sunprocess.com

08/2017 35.0