



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 \pm 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

Advantages

Benefits

- | | | |
|-------------------------|--------------------------|---|
| • Aluminum foil backing | • Excellent protection | • Helps protect parts from water, dust or chemical damage |
| | • Heat reflective | • Helps protect from heat damage |
| | • Flame resistant | • Will not aid combustion |
| • Silicone adhesive | • Wide temperature range | • Will seal or help protect even under extreme temperature conditions |

CONSTRUCTION:BackingAdhesiveLinerStandard RollLengthAluminum Foil
(alloy 1235-0)

Silicone (White)

Clear, Easy-
Release Film

100 yards (91m)

**TYPICAL PHYSICAL
PROPERTIES AND
PERFORMANCE
CHARACTERISTICS:**ASTM
Test Method

Adhesion to Steel:	34 oz./in width (37N/100mm)	D-3330
Tensile Strength:	23 lbs./in/ width (403 N/100mm)	D-3759
Elongation at Break:	4%	D-3759
Backing Thickness:	1.9 mils (.048mm)	D-3652
Total Tape Thickness:	3.4 mils (.086mm)	D-3652
Liner Thickness:	2.0 mils (.050mm)	
Water Vapor Transmission Rate:	.1 gms (H ₂ O/100 sq.in./24 hrs. (1.55 g/m ² /24 hrs.)	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.
- Flame resistant – will not support combustion. Meets F.A.R. 25.853(a).
- 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.

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