

# A404

## HIGH TEMP THIN ALUMINIUM LABEL

### Description

A404 is a 1 mil (25 µm) flexible aluminum label material with a high temperature pressure sensitive adhesive, with a white topcoat specifically designed for thermal transfer printing. This material has short-term temperature resistance 842 °F (450 °C).



- White print surface
- Aluminium foil
- Acrylic PSA

### Features

- Thermal transfer printable
- High temperature resistance
- Dimensionally stable at high temperatures
- Withstand temperature exposure up to 842 °F (450 °C).

### Features

- Barcode or alpha numeric identification of hot metal items and welding
- Aluminum and steel mills: cold rolling, tube mills and structural steel mills
- Coils, springs, heat treating, nameplates on industrial equipment

### Special conditions

- Intended for industrial use only
- Topcoat and print should not be contacted while exposed to elevated temperature
- Designed and tested for optimal performance with thermal transfer printing technology
- Use firm pressure when applying label to increase the physical contact of the adhesive with the surface
- Pressure sensitive adhesives will provide stronger bonds to warm surface by increasing adhesive flow and peel strength

### Technical data

Properties	Test method	Average results (Imperial Units)	Average results (SI Units)
<b>Thickness</b>	ASTM D-1000		
Substrate and Topcoat		1.5 mil	38 µm
Acrylic adhesive		1.0 mil	25 µm
<b>Adhesion</b>	ASTM D-3330		
Stainless Steel	20 minute dwell	>40oz/inch	
	24 hour dwell	>49oz/inch	
<b>Loop tack</b>	80155	>1000g/inch	
<b>Probe tack</b>	10 Newton Load Cell	>150 grams	
<b>Temperature rating</b>	1 hour Exposure Operating	TO 842 °F -4 TO 392 °F	TO 450 °C* -20 TO 200 °C
<b>Shelf life</b>	1 year below 80°F (27 °C) and 60% R.H		

\*Material tested in enclosed klin at temperature for 1 hour

### Certificates

#### REACH

Please contact Altec for the latest REACH document available.

#### RoHS

Please contact Altec for the latest RoHS document available.

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