ALTEC
INDUSTRIAL IDENTIFICATION

Technical datasheet

LAS404

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

*Material tested in enclosed klin at temperature for 1 hour

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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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