ALTEC
INDUSTRIAL IDENTIFICATION

Technical datasheet

A382

RESOPRINT

Description

A382 ResoPrint labels are printed using thermal transfer printing technology and designed to replace engraved type plates. Printing is quicker, more efficiant and cost effective, while the results are durable and long lasting and the foam adhesive are high tack. Adjust very well to rough or curved surfaces. Identify : cabinets, patch panels, components and more

Material	Top-coated thermal transfer printable polyester film with a permanent pressure senditive acrylic adhesive mouted with a compressible foam carrier and backed with a glassine release liner.
Adhesive	Solvent based permanent acrylic adhesive
Temperature range	-40°C to 90°C (-40°F to 180°F) Application Temperature 18°C to 35°C

Colors	Standard: White / Silver
Smudge & scratch resistance	Good smear resistance
Halogen free	No

Environmental

Properties	Test method	Typical value
TEST with XENON lamp, XENON (340nm) - Light 65 ° c irradiation 0.50 W/m² duration xxx hours - Light + Spray duration 0.60 W/m² duration xxx min	Visual inspection Mark adherence	No creasing or cracking No visual effect. Good contrast and visibility

Properties	Test method	Typical value
UV-A 340 nm 1000 hours Light 60 ° irradiation 0.76 W/m² power duration 8 hours - Spray duration 15 min. - Condensation 50 ° duration 3,45 hour.	Visual inspection Mark adherence	No creasing or cracking No visual effect. Good contrast and visibility

General values

Thermal transfer printable film

Properties	Test method	Typical value
Dimensional stability	FTM 14 - 48 hours at 70°C on aluminium	< 1 mm
Facestock thickness	FTM 12	50 micron ± 10%
Adhesive	FTM 12	21 gsm ± 10%
Chemical resistance	AATCC 8 gray scale 1=poor 5 = superior	3.5
Elongation at break	DIN 53455	150 %

Film thermal

Properties	Test method	Typical value
Service temperature range	-	-40°C to +149°C

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Adhesive physical

High initial tack - shear strength - Good UV and ageing - good resistance to to the influence of chemicals and solvents

Properties	Test method	Typical value
High initial tack - shear strength - Good UV		
Resistance to platicizers	DIN EN 1939 on steel after 7 days storage at 70°C	12N/25mm
Peel strength on lacquer	DIN 1939 - room temp - 24 hours storage	39N/25mm
Hydrolysis resistance here excellent clarity, water, chemical or temperature resistance is required	Peel strength according to DIN EN 1939 after 7 days storage at 38°C, 100/ RH on Steel Polypropylene	 38N/25mm 30N/25mm

Adhesive thermal

Modified acrylic adhesive

Properties	Test method	Typical value
Operating temperature		-40°C to +90°C
Labelling temperature min		+10°C
Max temperature		+90°C

Specific foam data

Polyethylene foam

Properties	Test method	Typical value
Tack min - shear strength	DIN EN 1943 - 23°C on steel	40,0 N / 625mm^2
Tack max - peel strength	DIN EN 1939 - 23°C on steel	45.0 N /25mm
Shore hardness	ASTM D2240	44
Compression force	(ISO 3386-1)	56kPa at 10% compression
Compression force	(ISO 3386-1)	410 kPa at 50 % compression
Rest deformation	(ISO 1856-C)	1 % at 25% compression: after 24h after release
Hygroscopicity	ISO 2896	less than 1 %

Liner data

Polyethylene film

Properties	Test method	Typical value
Polyethylen film	White	approx. 0,08 mm thickness
Total thicknes Liner - Foam - Adhesive		approx.. 0,53 mm

Storage

From date of manufacture 2 years. Cool and dry in original packaging. Recommended temperature.70°F - 21°C - 50% RH - Relative Humidity. Prolonged storage at higher temperatures and / or higher humidity will shorten shelf life.

Certificates

REACH

Please contact Altec for the latest REACH document available.

RoHS

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