Continuous Raised Panel Plates

Durable engraved sign making
Engraved Plate Replacement

TECHNICAL DATA SHEET

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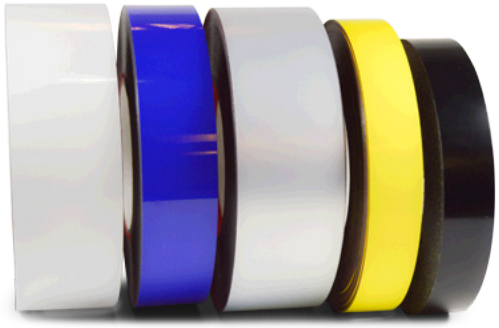

Versatile productline built with latest technology to consistently achieve superior results with exceptional quality. The continuous panel plates are printed using thermal transfer printing technology and designed to replace engraved type plates. Printing is quicker, more efficiant and cost effective, while the results are durable and long lasting and the foam adhesive are high tack. Adjust very well to rough or curved surfaces. With FTI-HX ribbon a high resistance to IPA & denatured spirit is achieved. This allows the end-user to design and customize different lengths using a cutter as part of the printing process.
Identify your own customized lengths for: cabinets, patch panels, components and more.

* High scratch and rub resistance using FTI-HX & FTI-HLD
* Name plate quality and faster than engraving
* Ware House Marking -
* Professional look with sharp and crisp legends
* Gloss finish and foamed backed adhesive for strong holding for ueven surfaces

**Resistant to weak acids, greases, oils, salt spray, cleaners, detergents, and general industrial grime.

Industry

Industry
Marine
Wind power
Commercial
Aerospace
Construction
Railway
Military
Electrical installations
Petrochemical
Telecom

STANDARD COLORS

OTHER COLORS

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

RECOMMENDED RIBBONS
FTI-HX black

FTI-HLD white

ALTERNATIVE RIBBON
FTI-Y black

SMUGDE & SCRATCH RESISTANCE
Good Smear Resistance

RESISTANCE TO SOLVENTS
**

ROHS COMPLIANT
Yes

APPLICABLE PRINTERS
CAB - EOS - SQUIX - A4+M

HALOGEN FREE
No

UL CERTIFICATION
On - Request

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.

APPLICATIONS
Specific developed for the industries marked in green to the left. Can be used in other industries also.

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

Ordering Info - Part Number Example

PART NUMBER EXAMPLES - Raised Panel Plates WxL - LSPP 50mmx20 MTR white

Product code

LSPP- - 050 - 020 - WE

FAMILY=LSPP
Raised Panel Plates

WIDTH
In mm

LENGTH
In Meters

COLOUR
WE= WHITE

General Values for thermal transfer PP Film. Gloss clear -White- Silver

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 Temparature Range	.....	-40° - 149°C

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	13N/25mm
Peel strenth on lacquer	DIN 1939 - room temp - 24 hours storage	39N/25 mm
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/25 mm 30N/25mm

ADHESIVE THERMAL - MODIFIED ACRYLIC ADHESIVE

PROPERTIES	TEST METHOD	TYPICAL VALUE
Operating Temparature	.....	-40° - +90°
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 - POLYETHYLEN FILM

PROPERTIES	COLOUR	TYPICAL VALUE
Polyethylen film	White	approx. 0,08 mm thickness
Total thickness Liner - Foam - Adhesive		approx 0,53 mm