

FoxxDura Metal – Extra Durable Silver Polyester Labels

Silver matt PET film · permanent acrylic adhesive · for metal, motors and industrial parts

Description and applications

Durable silver polyester (PET) labels for rating plates, serial number and identification labels on electric motors, metal parts, machinery, household appliances and automotive components. The labels withstand heat, oils, fuels, humidity and UV light and adhere very well to metal and engineering plastics.

Technical data

Material type	FoxxDura Metal · FX-D130S – silver matt PET for thermal transfer printing
Facestock	Silver polyester (PET) film, metallised backside, matt absorbent topcoat for thermal transfer printing
Adhesive	AP5 – solvent-based acrylic, permanent, high cohesion; coat weight 24 g/m ²
Liner	White supercalendered glassine
Total caliper	130 µm ± 10 %
Initial tack (glass)	10 N/25 mm
90° peel, stainless steel, 24 h	9 N/25 mm
Service temperature	–80 °C to +150 °C; minimum application temperature 0 °C; excellent UV resistance
Approvals	Material recognised to UL 969 (indoor and outdoor use) and C-UL CSA C22.2 No. 0.15 (indoor use) – certificates on request

180° peel adhesion, 48 h (N/25 mm)

Surface	N/25 mm
Stainless steel	19.0
Glass	16.5
Automotive lacquered panel	15.5
PA6	15.5
ABS	15.0
Aluminium	14.0
HDPE	3.5
LDPE	0.8

Chemical resistance of adhesive, 4 h immersion

Medium	N/25 mm	Result
Engine oil	20.5	no change
Biodiesel	20.0	no change
Diesel	19.0	no change
Brake fluid	16.0	no change
AdBlue	14.0	no change
Bioethanol E85	17.0	edge 2 mm
Heptane	16.0	edge 4 mm
Gasoline	14.0	edge 6 mm

Available labels

Label sizes	Labels per roll	Core	Winding
50 × 23 mm · 55 × 18 mm · 65 × 15.5 mm · 100 × 18 mm · 11 × 11 mm	2 000	76 mm	outside (inside on request)

Other sizes, quantities, cores and printed versions on request.

Printing

- Thermal transfer printing with wax/resin or full resin ribbons, flat-head and near-edge printers. Wax ribbons are not suitable.
- Matching wax/resin and resin ribbons for flat-head and near-edge printers are available from Foxx Products – we will recommend the right ribbon for your printer.
- The metallised film reduces print contrast – use sufficiently large barcodes and verify readability.
- Resistance of the printed image to fuels (gasoline, spirit) depends on the ribbon used.

Storage and shelf life

- Use within 2 years of the production date.
- Store at 20–25 °C and 40–50 % relative humidity (FINAT conditions), in the original packaging, away from direct sunlight.

Recommendations

- Apply to clean, dry, grease-free surfaces; minimum application temperature 0 °C.
- Final adhesion builds up within 24 hours.
- Avoid sharp corners in label design (rounded corners recommended).

The data in this sheet are typical values measured on the label material and are given for guidance only; they do not constitute a guarantee. We recommend testing the label under actual application conditions before use.