

Product description PT700 Polyester Tape is a special laminated polyester which gives an outstanding long lifespan and temperature resistance for a coloured material.

Colours 9 - Yellow, Light Blue, Silver Grey, Orange, Purple, Red, Green, Dark Brown, Black

Technical information

Film PET x 2
Thickness film 50 + 45 micron
Thickness adhesive 27 micron
Adhesion strength Test method ASTM D903, 72h dwell.

Stainless steel: 825 N/25 mm
Glass: 875 N/25 mm
Polypropylene: 700 N/25 mm
Automotive paint: 780 N/25 mm
PBT: 720 N/25 mm

Shear: 50 hours
Probe tack: 720 gram/m²
Application temperature: +10°C (min)
Service temperature: -40°C to +150°C

Chemical resistance **Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

Test method: (ASTM D896) Room temperature, 24 hours dwell on stainless steel, immersion 5 x 10 min. in solvent, 30 min. recovery vs. 72 hours in room temperature.

Test Chemical	Effect
Glass Cleaner	No visual change or adhesion loss
Isopropyl alcohol	No visual change or adhesion loss
Gasoline	No visual change, 10% adhesion loss
Toluene	No visual change, 10% adhesion loss
Oil (SAE 10W-30)	No visual change or adhesion loss
Acetic Acid 5%	No visual change, 10% adhesion loss
Water	No visual change or adhesion loss

Humidity resistance

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Test method:

On stainless steel at 38°C and 95% relative humidity vs 72 hours on steel in room temperature.

Test period	Effect
1 day + 15 min rec.	No visual change, 60% adhesion loss
1 day + 24 hrs rec.	No visual change or adhesion loss
7 days + 15 min rec.	No visual change, 50% adhesion loss
7 days + 15 min rec.	No visual change or adhesion loss

REACH and RoHS compliance:

The PT700 material meets REACH and RoHS requirements (2002/95/EC) and is halogen free.

Form stability:

The PT700 material does not shrink or swell at different temperatures within the range of -40° to 150°C. It does therefore not leave any adhesive residue.

Printable top coat

The PT700 material has a thermotransfer printable topcoat.
Use a true resin ribbon for best result.

UV and weathering resistance

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Test method:

The UV-lamination in the FXP material blocks harmful UV-radiation and protects the surface against UV and weathering, chemicals, moisture and some scratching.

Top side

Reference samples,
non exposed in the test.

Bottom side

Material after 10 simulated years.
Some fading has occurred but the
colours are still clearly visible.



Photo illustration of UV-test, method ISO4892-2 in an Atlas Suntest XLS+ with Xenon Arc lamp.