01.01.2022

Thermal Transfer Ribbon

VALENTIN 1722 SPECIAL

Characteristics

Very high heat resistance up to 250° C
Ultra chemical & solvent resistance
Unique coating on the back allows reliable and superior matching qualities with the thermal head.

Ribbon Properties

Type:	Resin
Total ribbon thickness:	< 9,0 µm
Polyester film thickness:	4,5 µm
Friction coefficient:	< 0,050
Ink melting point:	112° C
Tearing resistance:	> 200 N/mm²
Transmission density:	0,65 mini

General conditions:

Usage	5 to 35° C at 30 to 85% of relative humidity.
Storage life	12 months after slitting day.
Storage conditions	Keep indoor avoiding high temperature (such as beside a heat source), high humidity and direct sun light.

Printing properties

	Non-coated paper	Coated paper	Recommended white PET	Recommended white PE	Recommended Silver PP
Compatibility	X	X	✓	✓	✓
Image density	-	-	1,65	1,81	1,68

Maximum printing speed 3 IPS

Certificates

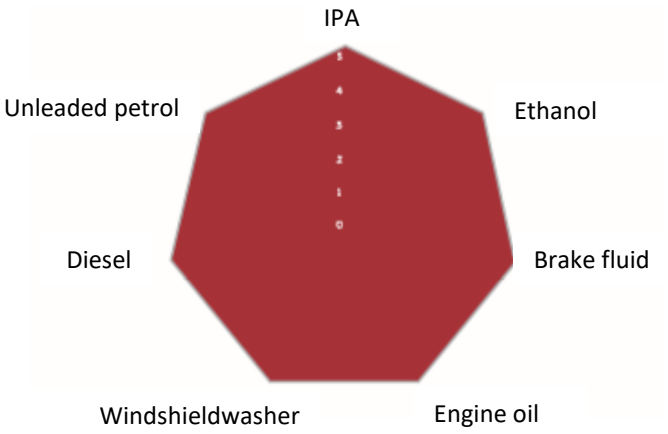
UL approved, RoHS Directive (2002/95/EC) Conformity

Printed image durability

Tests	Results	
Smear + heat 100° C: Smear with cartboard (weight 1kg - 50 back & forwards)	ANSI A	Unleaded petrol 250
		Break fluid 250
Heat (250° C): Heat gradient 3,6 kgF/cm²	No ink on the cotton fabric	Toluene 250
		Xylene 250
Scratch: 50 back and forwards with a rub tester	ANSI A	Thinner 250
		Acetone 250
Light: Xenon lamp at 650W/m²	ANSI A	IPA 250
Water: 24 hours in water	ANSI A	Ethanol 250

Back & forwards until a beginning of erase

Valentin 1701 durability



5: no damage
0: erased

Valentin 1722 with dedicated white paper

These performances are for guidance only.

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