Kemtek's Ribbon Slitting Plant

Quality thermal transfer ribbons are produced in Kemtek's state-of-the-art slitting plant by highly-trained operators. Spools of thermal transfer ribbon, imported from leading global ribbon manufacturer ITW, are converted into many different widths and lengths for any label printer on the market.

Kemtek's latest ribbon slitting machine simultaneously slits 1 m wide rolls into various widths at up to 500 m/minute. The range includes scratchproof, smearproof, solvent-resistance and heat-resistance ribbons for the best quality in industrial printing applications. In addition to all the standard formats, ribbons can be customised and produced to order on paper cores, wound either in or out as required, with or without notches on either side of the core. Orders are tracked through the company's intranet to ensure speedy delivery.

The company's four branches countrywide carry sufficient stock to meet customers' immediate requirements. The ribbon slitting plant's motto, "Any size, any width, any time", means that clients' specialised requirements can be met within 48 hours. Our service orientated approach also has the added advantage that regular contact is maintained with clients.

B220 High-sensitivity Premium Wax

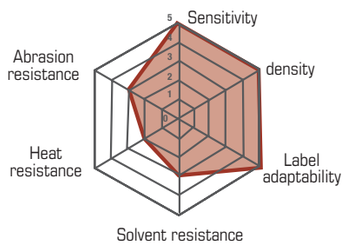
A resin-enhanced premium wax ribbon that delivers excellent results on a wide variety of substrates. Designed to operate at low energy levels, B220's high-sensitivity ink provides superior density and definition.

Recommended Substrates
Rough paper, Plain paper, Tag, Coated paper, Synthetic paper, Film (PET, PVC).

Ribbon Property

Item	Value
Carrier	Polyester film
Thickness of ribbon	< 8,0 µm
Colour	Black
Heat resistant coating	Silicone base
Ink melting point	70ºC
Optical density (transmission)	> 1,30
Optical density (reflection)	> 1,90
Print speed	2 IPS - 12 IPS

Features Chart



B128 Premium Wax/Resin

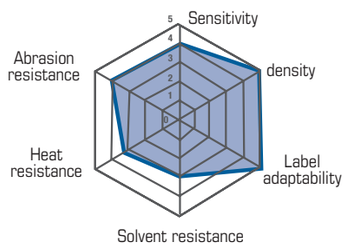
B128 is a thermal transfer ribbon with excellent performance on a wide variety of labels. This wax/resin ribbon demonstrates exceptional smear resistance, high definition and high sensitivity on a wide range of stock.

Recommended Substrates
Plain paper, Coated paper, Synthetic paper, Film (PET, PVC), Tag.

Ribbon Property

Item	Value
Carrier	Polyester film
Thickness of ribbon	< 8,0 µm
Colour	Black
Heat resistant coating	Silicone base
Ink melting point	80ºC
Optical density (transmission)	> 0,9
Optical density (reflection)	> 1,70

Features Chart



B324 Premium Durable Resin

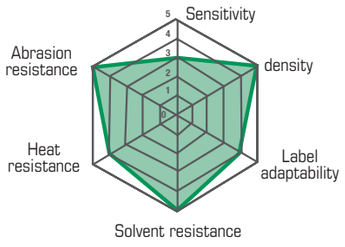
With its superb abrasion resistance, solvent resistance and high definition, B324 gives superior results on all polyester and other plastic labels. This resin ribbon is formulated to meet the most stringent print density and definition criteria.

Recommended Substrates
Synthetic paper, Film (PET, PVC).

Ribbon Property

Item	Value
Carrier	Polyester film
Thickness of ribbon	< 9,0 µm
Colour	Black
Heat resistant coating	Silicone base
Ink melting point	110ºC
Optical density (transmission)	> 1,9
Optical density (reflection)	> 1,70

Features Chart



B112 Near Edge Premium Wax/Resin

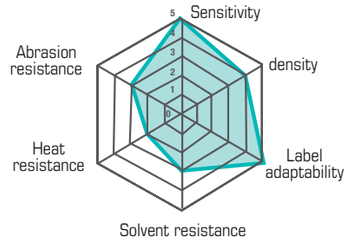
Specially designed for high-performance printing by edge thermal print heads, B112 gives outstanding results during high-speed runs. Admirable fitness to edge type, very good scratch resistance and high sensitivity on a wide range of stock.

Recommended Substrates
Plain paper, Coated paper, Synthetic paper, Tag, PET, PE, PP and PVC.

Ribbon Property

Item	Value
Carrier	Polyester film
Thickness of ribbon	< 8,0 µm
Colour	Black
Heat resistant coating	Silicone base
Ink melting point	70ºC
Optical density (transmission)	> 8,0
Optical density (reflection)	> 1,6

Features Chart



B220
HIGH-SENSITIVITY PREMIUM WAX

B128
PREMIUM WAX/RESIN

B324
PREMIUM DURABLE RESIN

B112
NEAR EDGE PREMIUM WAX/RESIN

TROUBLESHOOTING

When print problems will. Invariably, the ribbon is blamed for poor print quality. It is important to remember, however, that three elements have to combine to produce successful printing: the printer, the label substrate and the ribbon grade.

The following information will help you to pinpoint the cause:

The printed image is faint and patchy

- The printer's heat and speed settings may need adjustment.
- The printing head may be dirty, preventing heat transfer.
- The label substrate may be incompatible with the ribbon grade.

The ribbons snap during printing

- The ribbon may be damaged before installation into the printer.
- The printer's rewind tension may be too high.
- The clutch settings may be too tight.
- The heat setting on the printer may be too high.
- The ribbon may be incorrectly loaded into the printer.
- The printing head may be dirty, causing heat build-up.
- The width of the ribbon may be too narrow for the printed image.
- The back coating on the ribbon may be faulty.

The printer does not detect the ribbon

- The printer's ribbon sensor may be incorrectly set.
- The ribbon may be incorrectly loaded into the printer.

The printed image is blurred and fills in

- The heat setting on the printer may be too high.
- The speed setting may be too high.

The printed image scratches off

- Make sure the correct ribbon grade is being used.
- Check compatibility between ribbon and label.

The printer does not stop at the end of the ribbon

- The incorrect end-of-roll sensor may be attached to the ribbon.
- The printer's sensors may be dirty or clogged.

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Look between the lines

THERMAL TRANSFER RIBBONS

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