

RESIN PREMIUM RIBBONS

Datasheet

- > For applications which require not only high quality but also resistance to mechanical aggression, temperature and solvents.
- > Ideal for demanding circumstances in e.g. logistics, chemical or pharmaceutical industry.
- > Toshiba approved for maximum productivity



As with our standard resin range these premium qualities can offer extra resistance to heat, (the printed image will withstand temperatures up to 250°C) solvents, unleaded petrol, brake fluid or strong industrial detergents and bleaching. Suited to a wide range of synthetic material, high gloss and matt coated papers and as with all Toshiba ribbon qualities, the back coating will offer exceptional print head protection.

As one of Europe's biggest thermal transfer ribbon suppliers, we are committed to quality and reliability to help your business grow. Designed and manufactured to truly demanding industry standards, there is no better choice.

Like all our products, our consumables, too, are designed to improve printing efficiency, while at the same time reducing waste and minimising delivery and transportation costs. This not only saves you money, but also helps create a greener tomorrow.



SPECIFICATIONS

Key features

- > Superior mechanical and scratch resistance
- > Excellent resistance to solvents and high temperature
- > Excellent printing quality on textile material
- > Withstanding industrial dry cleaning and ironing

| | RP1E | RP1F | RP2E | RP2F | RP3F | RP4E | RP4F | RP5F | RP6F | RP7F | | | | | | | | | | |
|---------------------------------|--|------|--|------|--|------|-----------------------|------|---|------|--|--|---|--|--|--|---|--|--|--|
| Melting point | 85°C | | 80°C | | 85°C | | 168°C | | 97°C | | — ¹⁾ | | — ¹⁾ | | 97°C | | 83°C | | | |
| Ribbon thickness | < 9 µm | | < 8 µm | | < 8 µm | | < 9 µm | | < 7 µm | | < 9 µm | | < 9 µm | | < 9 µm | | < 9 µm | | | |
| PET thickness | 4.5 µm | | | | 4.8 µm | | 4.5 µm | | 4.8 µm | | 4.5 µm | | | | | | | | | |
| Backcoating | Silicon based | | | | — ¹⁾ | | | | Silicon based | | — ¹⁾ | | | | | | | | | |
| Max. Printing Speed | 203 mm/sec | | | | 305 mm/sec | | 254 mm/sec | | 305 mm/sec | | — ¹⁾ | | 254 mm/sec | | 203 mm/sec | | | | | |
| Colour | Black | | | | | | | | | | | | | | | | | | | |
| Storage | 5-35°C 20 – 80 % RH | | | | 5-35°C 45 – 85% RH | | 5-35°C 30 – 85% RH | | 5-35°C 45 – 85% RH | | 5-35°C 30 – 85% RH | | 5-35°C 45 – 85 % RH | | 5-35°C 30 – 85% RH | | | | | |
| Blackness (Macbeth D19C) | 1.6 ODR | | | | 1.9 ODR | | 2.05 ODR | | 1.8 ODR | | 1.5 ODR | | 2.05 ODR | | 2.08 ODR | | | | | |
| Mechanical resistance | No damage after x cycles: | | | | | | | | | | | | | | | | | | | |
| | 95 | | | | 100 | | | | Very good | | Very good | | Very good | | Excellent | | Good | | Very good | |
| Heat resistance | 250°C | | | | 200°C | | | | 220°C | | 150°C | | 170°C | | — ¹⁾ | | 150°C | | 120°C | |
| Solvent resistance | No damage after x cycles ²⁾ : | | | | Wash resistant Dry clean resistant Bleach Resistant Ironing Resistant | | | | Excellent ³⁾ | | No damage after x cycles ²⁾ : | | Good ³⁾ | | Excellent ³⁾ | | No damage after 40 cycles ²⁾ | | No damage after x cycles ²⁾ : | |
| | IPA: 200 Ethanol: 50 Mineral Spirit: 70 Motor Oil: 250 Unlead Petrol 98: 10 Brake Fluid: 10 | | IPA: 200 Ethanol: 80 Mineral Spirit: 70 Motor Oil: 250 Unlead Petrol 98: 10 Brake Fluid: 10 | | Not resistant against Acetone | | | | IPA: 170 Ethanol: 40 Motor Oil: 250 Unlead Petrol 98: 150 Diesel: 250 Brake Fluid: 8 | | Not resistant against Acetone | | IPA, Ethanol, Methanol, MEK, Thinner, Xylene, Brake Fluid | | IPA: 120 Ethanol: 40 Motor Oil: 250 Unleaded Petrol 98: 160 Diesel: 250 Brake Fluid: 10 | | | | | |
| Head Type | Edge / Near Edge | | Flat | | Edge / Near Edge | | Flat | | Flat | | Near Edge | | Flat | | Flat | | Near Edge | | Flat | |

The specifications above are guidelines and vary depending on the substrates used. Contact us for an individual assessment. Using Toshiba ribbons ensures minimum wear on working parts and a better total cost of Ownership (TCO). Protect your printhead life and warranty by using only Toshiba ribbons which are tailor-made for Toshiba thermal printers.

For further information and a complete list of compatible Toshiba barcode systems and label printers, please contact your local Toshiba partner.

¹⁾ No information available
²⁾ Rub test (939 g)
³⁾ Depending on substrate

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