

Black is beautiful

# Black Thermal transfer ribbons



# N 448 Sw

Wax/Resin

## N 448 Sw

is a wax/resin near-edge quality, very well adapted for printing on paper materials. It can be used with all near-edge label printers and direct printing systems.



Flat-head

### PROPERTIES

- Particularly suitable for difficult and rough paper materials
- Highly flexible, very good results on various packaging foils and label materials
- High resolution and high printing speed
- Superior smear resistance
- Very high sensitivity, which will save printing heads

### APPLICATION

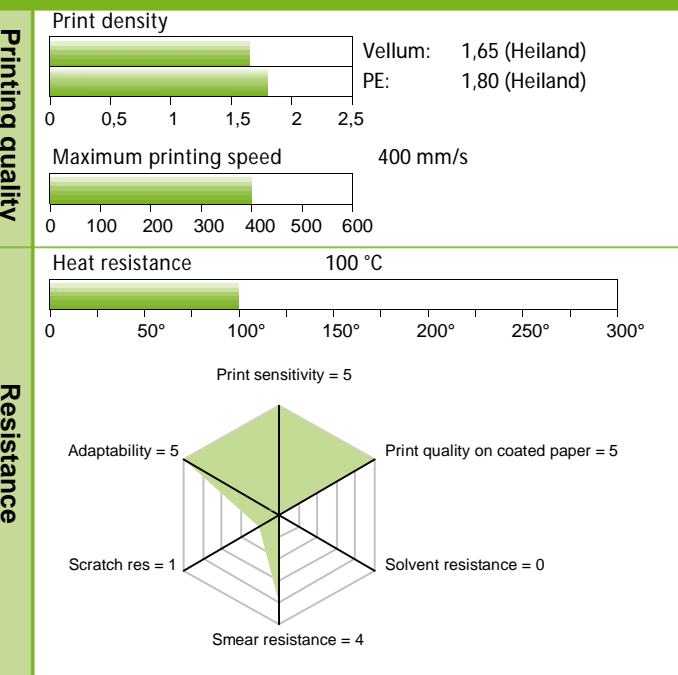
- Very well adapted for direct printing and packaging foils
- Product identification, expiration dates aso.
- Suitable for high quality labels with good resistance

### RECOMMENDED LABEL STOCK

- Vellum, matt- and gloss-coated papers - cardboard materials
- PE, PP, PET and other synthetic films, matt or gloss
- Packaging foils and special paper in the pharma industry a



Near-edge



Ribbon specification

|                         |                                     |           |
|-------------------------|-------------------------------------|-----------|
| Quality level:          | Wax/Resin                           | Near-edge |
| Basefilm:               | PET 4,5 µm                          |           |
| Ribbon:                 | 7,5 µm ±0,5 µm                      |           |
| Colour:                 | Process Black                       |           |
| Optical density ribbon: | 0,78 (Heiland)                      |           |
| Ink melting point:      | 80 °C                               |           |
| Approvals:              | Food industry (ISEGA), Halogen-free |           |



Direct printing

Wax

Wax+

Wax/Resin

Resin

Wax

Wax/Resin

Resin

Wax

Wax/Resin

Resin

**CERTIFICATIONS:**  
The concentration of heavy metals in our thermal transfer ribbons is negligible and always lies below the value of the applicable EU norm for the use of dangerous substances, e.g. RoHS (EC Directive 2002/95) and WEEE (2002/96).

**REACH:**  
All substances and preparations that are used for the production of this quality have been pre-registered.

**SHELF-LIFE AND STORAGE CONDITIONS:**  
In principle thermal transfer ribbons have a long shelf life. We guarantee that, when stored correctly ( temperature: 5 - 35 ° centigrades, relative humidity: 30 - 80 %) our ribbons remain in perfect condition for use for 1 year.

**TESTING AND EVALUATION PROCEDURE:**  
Our thermal transfer ribbons are tested according to CALOR/RTT testing procedures. We are happy to supply details upon request.

