KOENIG & BAUER

labelDOT

hpd**SYSTEM** *moto*

- ✓ MARKING OF TIRES
- ✓ COLORFUL DOT, 6 - 20 MM Ø
- ✓ HIGHEST ABRASION AND SCRATCH RESISTANCE

Simple. Runs. Colorful.

heat activated and heat deformable transfer-labels LTA

INKJET   Thermal Transfer Overprint

HOTFOIL-CODING   *LASER*   **Thermal-Inkjet**   Offline coding

For use-by-dates   AFTER SALES   *BARCODE*   etc.

CODING SYSTEMS
„MADE IN GERMANY"

labelDOT **are heat activated and heat deformable transfer-labels, LTA.**
They are used for marking tires made of vulcanized rubber.

Design and Dimension
labelDOT is a brillant colour dot, diameter 6 - 20 mm.
Different individual print layouts are possible.

Colours
Based on a 12 colour mixing system, a wide range of individual colours are available.
labelDOT are free from toxic substances and in accordance with the following standards:
- DIN EN 71-3 „Safety of Toys - Part 3: Migration of certain substances" and
- Öko-Tex Standard 100, product class I.

Standard colours are white, red, yellow and green.

Tesa test: Product not removable.
Label can be removed only by complete destruction.

- FINAT-testing method Nr. 21
- Tesa duct tape „Tesapack strong"
- 3M duct tape „8901"

Application Test

ATTENTION !

Due to the variety of the materials used in the tire manufacturing process (rubber compounds and mold release agents), a test application on the original material and functional testing under realistic conditions is strongly recommended.

Delivery Form
- Reel on 1 inch core, wall thickness sleeve: 3mm
  Reel width 20 mm and 25 mm
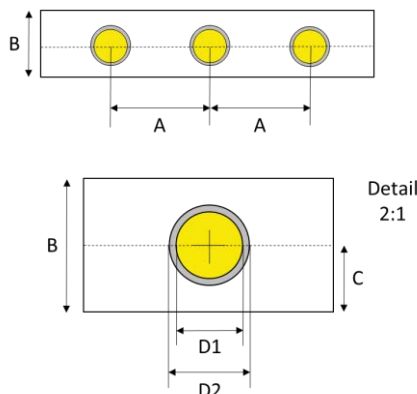- Reel diameter max. 100 mm at 2,500 dots / Reel

Individual widths, formats, diameters and graphical adjustments available on request

Target material surface
vulcanized natural or synthetical rubber, vehicle tires.
Material surface -shape
Smooth, rough or textured surfaces.
Raised structures up to 1 mm can be accommodated.
Material surface -cleanliness
low pollution, residues of mold release agents can be accommodated.
Labels application
Automatic or manual thermal transfer press.
Stamp temperature: 110 ° C to 150 ° C,
duration: 0.5 - 2 sec.
Pressure: 10-20 N / cm2,
line pressure: machine-dependent.
Sample applications under application-oriented conditions are recommended.
without **protective backing paper**
Label carrier
transparent PET film; thickness: 36 or 50 microns.
Cure time
labelDOT are immediately functional after application.
The final adhesive strength is achieved after 24 hours.
adhesion
labelDOT adhere permanently and adopt the surface contour.
gloss
Glossy to satin, surface material and structure dependent.
elasticity
Flexible as base material.
removability
labelDOT adhere permanently and can be removed only by complete destruction.
Applications
Identification of unbalance, 1st Harmonic and for internal production purposes on vehicle tires.
Storage and Durability
Shelf life at least 2 years in the original carton in closed rooms under normal climatic conditions:
- Ambient temperature between 10°C and 30°C (50°F – 86°F).
- Humidity between 30% and 65%rel.
Storage under exposure to direct sunlight should be avoided.
After exceeding the shelf life product function should be rechecked on the original material

Dimensions

drawing dimensions	20 mm (mm)	25 mm (mm)	tolerance (mm)	description
A	30,0	30,0	± 0,7	partition
B	20,0	25,0	± 0,5	roll width
C	10,0	12,5	± 0,4	edge distance
D1	6,0 to 15,0	6,0 to 20,0	-0; +0,6 *	coloured dot
D2	D1 + 1,6	D1 + 1,6	± 0,3	adhesive

*Due to the printing process used an undershooting of the nominal dimension D1 is technically impossible.

Detail 2:1

Subject to technical and design changes E&OE

All figures are based on the current technical knowledge and experiences. Due to the variety of possible influences during processing they do not absolve the user from own tests under near conditions. A legally binding assurance of certain properties or suitability for a particular application cannot be assumed. For application enquiries regarding our products, please contact our Product Management. We look forward to assist you!.