

# Technical Data Sheet

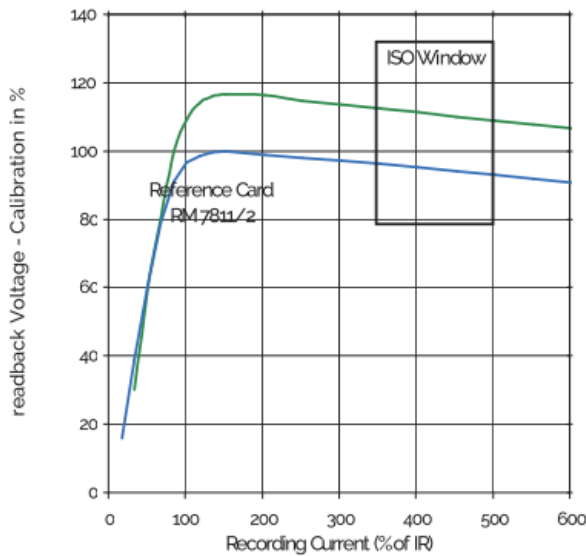
**Magnetic Transfer Tapes**

Type :

**DILBK119**

LoCo 300 Oe black

## Saturation Curve



## General Characteristics

Base film material	Polyester
Magnetic layer material	Iron Oxide
Color	Black

## Thickness Characteristics

Base film	20 ± 1 µm
Protection layer	2,5 ± 1 µm
Magnetic layer	11 ± 2 µm
Adhesive	2 ± 0,5 µm
Activation temperature	80° C

## Magnetic Characteristics

Coercivity $H_c$	26.3 ± 2.6 kA/m (330 Oe)
Retentivity $M_r$	≥ 10.000 µm.G
Squareness	≥ 0,8
Switching field SFD	≤ 0,6
Orientation factor	≥ 2,0

## Signal Amplitude Characteristics

Signal amplitude $U_{A1}$	110 ± 15 % $U_R$
Signal amplitude $U_{i1}$	≤ 136 % $U_R$
Signal amplitude $U_{A2}$	≥ 80 % $U_R$
Signal amplitude $U_{i2}$	≥ 65 % $U_R$
Resolution $U_{A3}$	≥ 70 % $U_{A2}$
Erase $U_{A4}$	≤ 3 % $U_R$
Extra pulse $U_{i4}$	≤ 5 % $U_R$

## Wear Resistance Characteristics

According to ISO/IEC 7811-2 / 10373-1

Average signal amplitude $U_{A \text{ after}}$	≥ 60% $U_{A \text{ before}}$
Individual signal amplitude $U_{i \text{ after}}$	≥ 80% $U_{A \text{ after}}$

## Chemical Resistance Characteristics

According to ISO/IEC 7811-2 / 10373-1

Average signal amplitude $U_{A \text{ after}}$	≥ 90% $U_{A \text{ before}}$
Individual signal amplitude $U_{i \text{ after}}$	≥ 90% $U_{A \text{ after}}$

## Storage Conditions

For tape with adhesive:

The allowed storage period for the reel is 2 years from the date of certificate under the following conditions :

Temperature : 10°C – 28°C

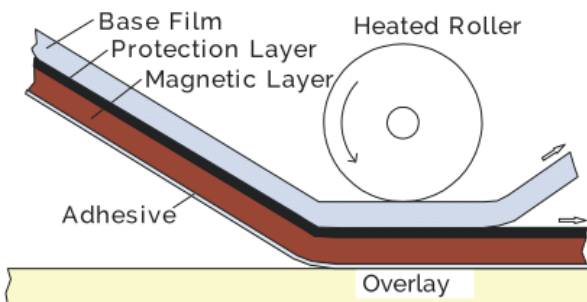
Humidity : 20%-60% RH

Additional pressure on the windings shall be avoided

## Film – Coating Composite



## Transfer Process



The information given in the technical datasheet is based on our current knowledge. This information merely describes the product's properties but do not guarantee them from a legal point of view. We recommend to conduct tests before industrial use in order to check whether the product is suitable for the expected application.