

Technical Data Sheet

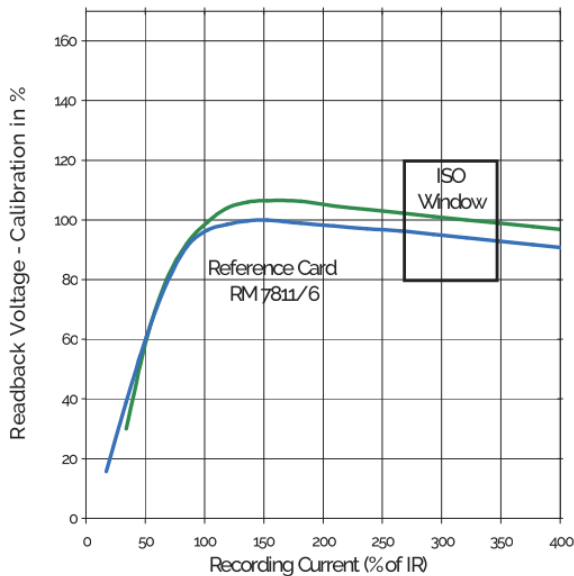
Magnetic Transfer Tapes

Type :

DIHDGL19

HiCo 2750 Oe double gold

Saturation Curve



General Characteristics

Base film material	Polyester
Magnetic layer material	Ferrite
Color	Gold (PMS 132)

Thickness Characteristics

Base film	19 ± 1 µm
Protection layer	7.5 ± 1 µm
Magnetic layer	10 ± 2 µm
Gold back coat layer	9 ± 1 µm
Adhesive	2 ± 0.5 µm
Activation temperature	80° C

Magnetic Characteristics

Coercivity H_c	219 ⁺¹⁶ ₋₈ kA/m (2750 Oe)
Retentivity M_r	≥ 8.000 µm.G
Squareness	≥ 0,8
Switching field SFD	≤ 0,5
Orientation factor	≥ 2,0

Signal Amplitude Characteristics

Signal amplitude U_{A1}	100 ± 15 % U_R
Signal amplitude U_{i1}	≤ 126 % 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 7811-6 / 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 7811-6 / 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

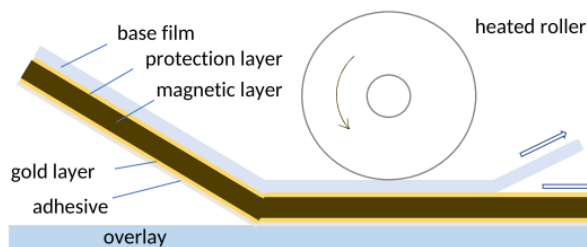
Additional pressure on the windings shall be avoided

Film - Coating Composite



base film
 protection layer
 magnetic layer
 gold layer
 adhesive

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.