

Technical Data Sheet

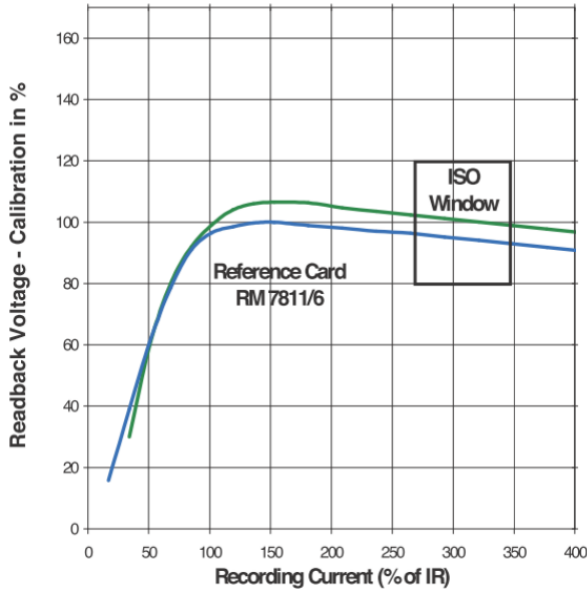
Magnetic Transfer Tapes

Type :

DIHBK1PC

HiCo 2750 Oe black for PC substrate

Saturation Curve



General Characteristics

Base film material	Polyester
Magnetic layer material	Barium Ferrite
Color	black

Thickness Characteristics [μm]

Base film	19 μm
Protection layer	2.5 \pm 1 μm
Magnetic layer	6.5 \pm 1 μm
Adhesive	2 \pm 1 μm
Activation temperature	130°C

Magnetic Characteristics

Coercivity H_c	219 $^{+16}_{-8}$ kA/m (2750 Oe)
Retentivity M_r	\geq 8.000 $\mu\text{m.G}$
Squareness	\geq 0,8
Switching field SFD	\leq 0,5
Orientation factor	\geq 2,0

Signal Amplitude Characteristics

Signal amplitude U_{A1}	100 \pm 15 % U_R
Signal amplitude U_{i1}	\leq 126 % U_R
Signal amplitude U_{A2}	\geq 80 % U_R
Signal amplitude U_{i2}	\geq 65 % U_R
Resolution U_{A3}	\geq 70 % U_{A2}
Erasure U_{A4}	\leq 3 % U_R
Extra pulse U_{i4}	\leq 5 % U_R

Film - Coating Composite



Base film
 Protection layer
 Magnetic Layer
 Adhesive

Wear Resistance Characteristics

According to ISO/IEC 7811-6 / 10373-1

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

Chemical Resistance Characteristics

According to ISO/IEC 7811-6 / 10373-1

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

Storage Conditions

For tape with adhesive:

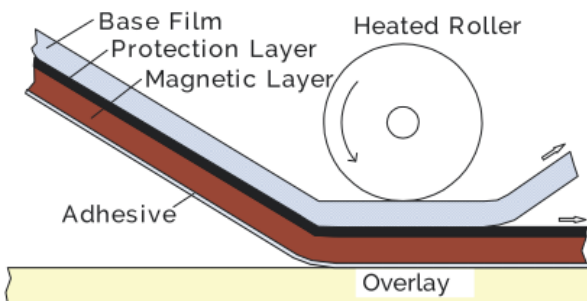
The allowed storage period for the reel is 2 years from the date of certificate under the following conditions :

Temperature : 10°C - 28°C

Humidity : 20%-60% RH

Additional pressure on the windings shall be avoided

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.