

Technical Data Sheet

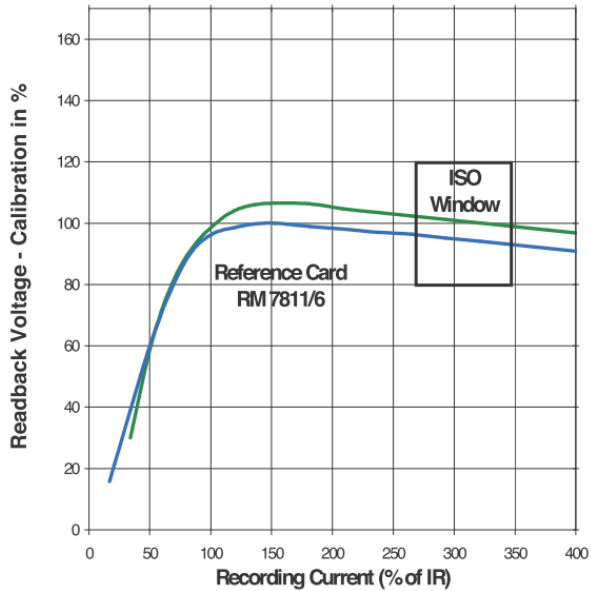
Magnetic Transfer Tapes

Type :

DIHBK119

HiCo 2750 Oe black

Saturation Curve



General Characteristics

Base film material	Polyester
Magnetic layer material	Ferrite
Color	Black

Thickness Characteristics

Base film	19 ± 1 µm
Protection layer	2,5 ± 1 µm
Magnetic layer	7 ± 2 µm
Adhesive	2 ± 0,5 µm
Activation temperature	80° C

Magnetic Characteristics

Coercivity Hc	219 ⁺¹⁶ ₋₈ kA/m (2750 Oe)
Retentivity Mr	≥ 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}
Erasure 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 after	≥ 60% U _A before
Individual signal amplitude U _i after	≥ 80% U _A after

Chemical Resistance Characteristics

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

Average signal amplitude U _A after	≥ 90% U _A before
Individual signal amplitude U _i after	≥ 90% U _A after

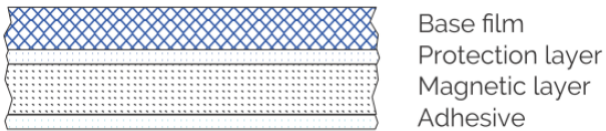
Storage Conditions

For tape with adhesive:

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

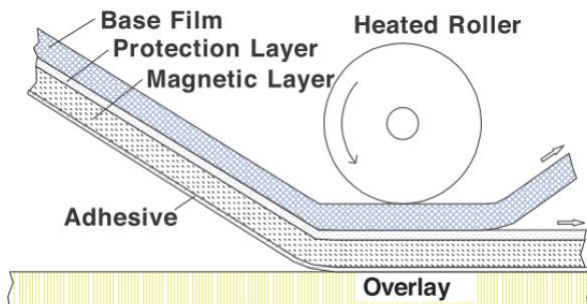
Temperature :	10° C - 28° C
Humidity :	20 % - 60% RH
Additional pressure on the windings shall be avoided	

Film - Coating Composite



Base film
 Protection layer
 Magnetic layer
 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.