

# Technical Data Sheet

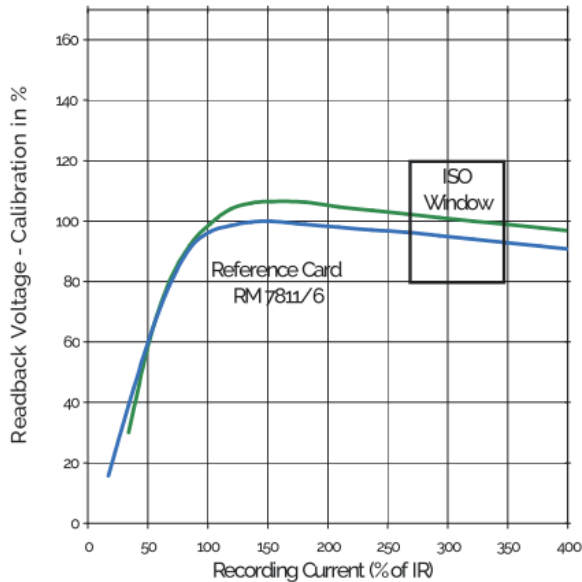
**Magnetic Transfer Tapes**

Type :

**DIHRD119**

HiCo 2750 Oe Red

## Saturation Curve



## General Characteristics

Base film material	Polyester
Magnetic layer material	Ferrite
Color	Red (PMS 186)

## Thickness Characteristics

Base film	19 ± 1 µm
Protection layer	6.5 ± 1 µm
Magnetic layer	11.5 ± 2 µm
Adhesive	2 ± 0,5 µm
Activation temperature	80° C

## Magnetic Characteristics

Coercivity H <sub>c</sub>	219 <sup>+16</sup> <sub>-8</sub> kA/m (2750 Oe)
Retentivity M <sub>r</sub>	≥ 8.000 µm.G
Squareness	≥ 0,8
Switching field SFD	≤ 0,5
Orientation factor	≥ 2,0

## Signal Amplitude Characteristics

Signal amplitude U <sub>A1</sub>	100 ± 15 % UR
Signal amplitude U <sub>i1</sub>	≤ 126 % UR
Signal amplitude U <sub>A2</sub>	≥ 80 % UR
Signal amplitude U <sub>i2</sub>	≥ 65 % UR
Resolution U <sub>A3</sub>	≥ 70 % UA2
Erasure U <sub>A4</sub>	≤ 3 % UR
Extra pulse U <sub>i4</sub>	≤ 5 % UR

## Wear Resistance Characteristics

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

Average signal amplitude U <sub>A</sub> after	≥ 60% U <sub>A</sub> before
Individual signal amplitude U <sub>i</sub> after	≥ 80% U <sub>A</sub> after

## Chemical Resistance Characteristics

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

Average signal amplitude U <sub>A</sub> after	≥ 90% U <sub>A</sub> before
Individual signal amplitude U <sub>i</sub> after	≥ 90% U <sub>A</sub> after

## Storage Conditions

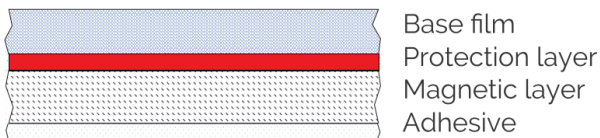
For tape with adhesive:

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

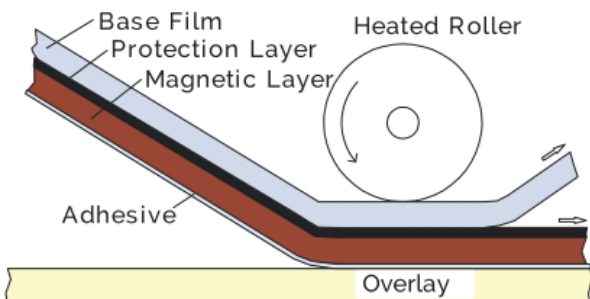
Additional pressure on the windings shall be avoided

## 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.