

Technical Data Sheet

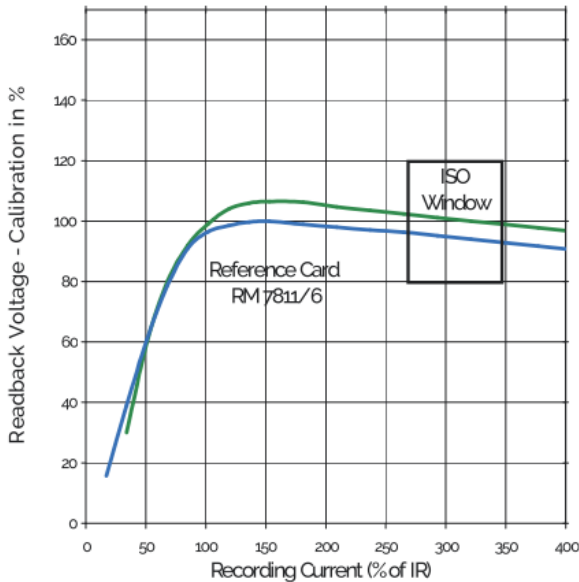
Magnetic Transfer Tapes

Type :

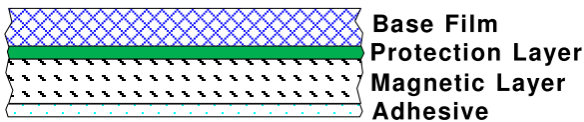
DIHGN219

HiCo 2750 Oe Green (PMS 361)

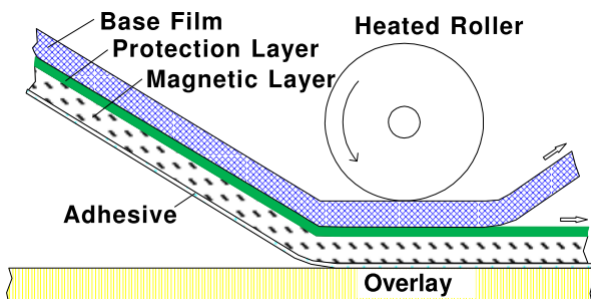
Saturation Curve



Film - Coating Composite



Transfer Process



General Characteristics

Base film material	Polyester
Magnetic layer material	Ferrite
Color	Green (PMS 361)

Thickness Characteristics

Base film	19 ± 1 μm
Protection layer	6.5 ± 1 μm
Magnetic layer	10 ± 2 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 % UR
Signal amplitude U _{i1}	≤ 126 % UR
Signal amplitude U _{A2}	≥ 80 % UR
Signal amplitude U _{i2}	≥ 65 % UR
Resolution U _{A3}	≥ 70 % UA2
Erase U _{A4}	≤ 3 % UR
Extra pulse U _{i4}	≤ 5 % UR

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

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.