

Technical Data Sheet

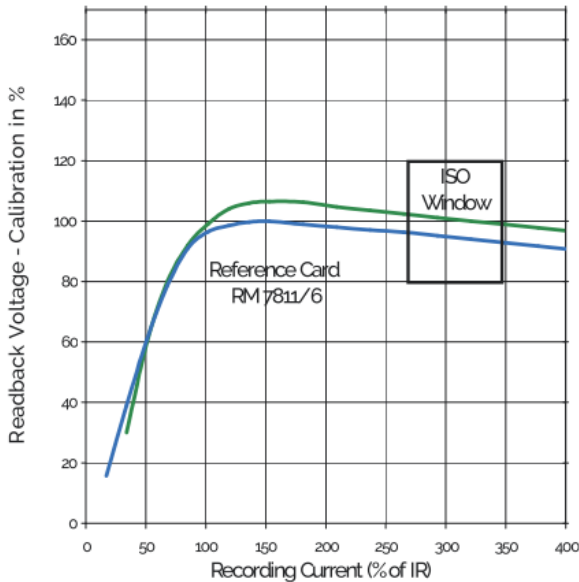
Magnetic Transfer Tapes

Type :

DIHGL119

HiCo 2750 Oe 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	9 ± 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

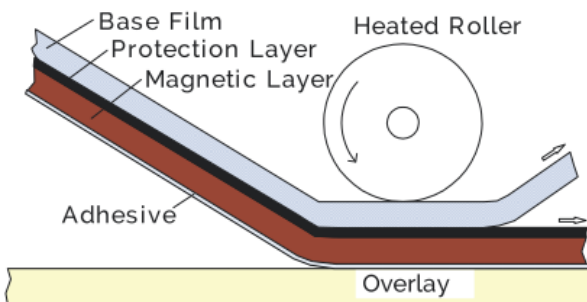
Storage Conditions

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	

Film - Coating Composite



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.