

Technical Data Sheet

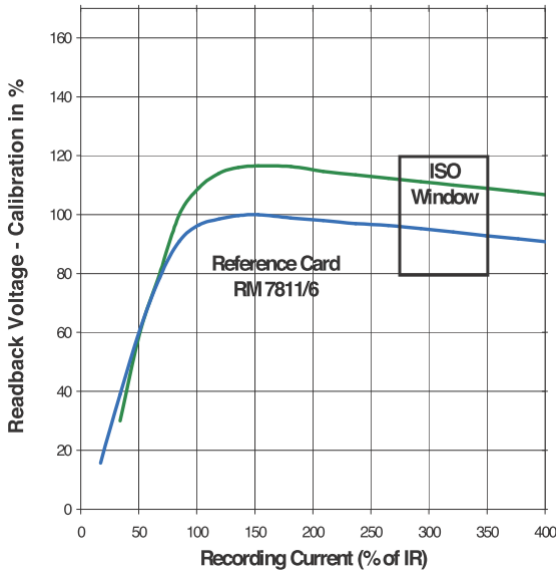
Magnetic Transfer Tapes

Type :

DITBK119

HiCo 3500 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	8 ± 2 µm
Adhesive	2 ± 0,5 µm
Activation temperature	80° C

Magnetic Characteristics

Coercivity Hc	287 ⁺²⁴ ₋₁₆ kA/m (3600 Oe)
Retentivity Mr	≥ 9.000 µm.G
Squareness	≥ 0,8
Switching field SFD	≤ 0,5
Orientation factor	≥ 2,0

Signal Amplitude Characteristics

Signal amplitude U _{A1}	110 ± 15 % U _R
Signal amplitude U _{i1}	≤ 132 % U _R
Signal amplitude U _{A2}	≥ 80 % U _R
Signal amplitude U _{i2}	≥ 65 % U _R
Resolution U _{A3}	≥ 70 % U _{A2}
Erase 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}

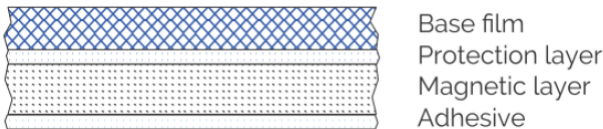
Chemical Resistance Characteristics

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}

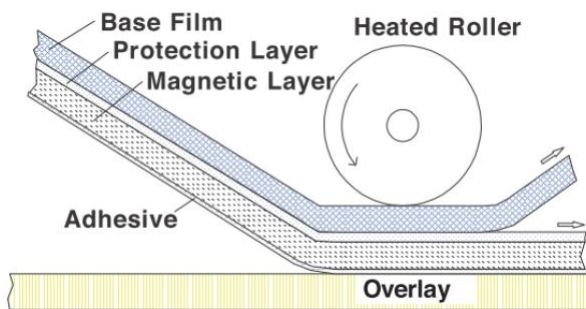
Storage Conditions

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



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.