

Technical Data Sheet

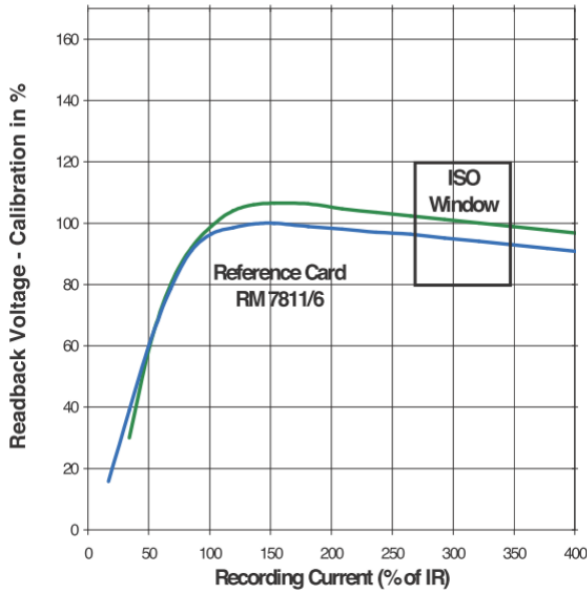
Magnetic Transfer Tapes

Type :

DIHGY119

HiCo 2750 Grey

Saturation Curve



General Characteristics

| | |
|-------------------------|-----------|
| Base film material | Polyester |
| Magnetic layer material | Oxide |
| Color | Grey |

Thickness Characteristics [μm]

| | |
|-----------------|----|
| Base film | 19 |
| Total thickness | 33 |

Magnetic Characteristics

| | |
|---------------------|----------------|
| Coercivity H_c | 215 ÷ 255 kA/m |
| Retentivity M_r | 106 ± 10% mT |
| Squareness | ≥ 0,8 |
| Switching field SFD | ≤ 0,4 |

Signal Amplitude Characteristics

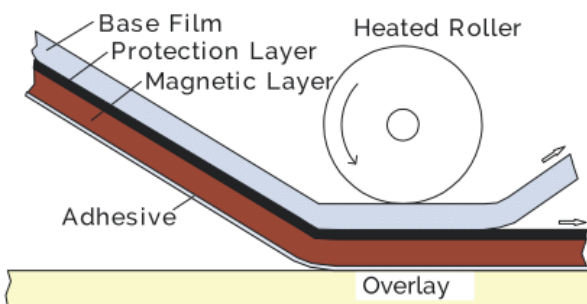
| | |
|---------------------------|------------------|
| Signal amplitude U_{A1} | 100 ± 20 % U_R |
| Signal amplitude U_{A2} | ≥ 80 % U_R |

Film - Coating Composite



Base film
 Protection layer
 Magnetic Layer
 Adhesive

Transfer Process



Wear Resistance Characteristics

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

| | |
|--|------------------------------|
| Average signal amplitude $U_{A \text{ after}}$ | ≥ 50% $U_{A \text{ before}}$ |
|--|------------------------------|

Chemical Resistance Characteristics

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

| | |
|---|------------------------------|
| Average signal amplitude $U_{A \text{ after}}$ | ≥ 90% $U_{A \text{ before}}$ |
| Individual signal amplitude $U_{i \text{ after}}$ | ≥ 90% $U_{A \text{ after}}$ |

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.