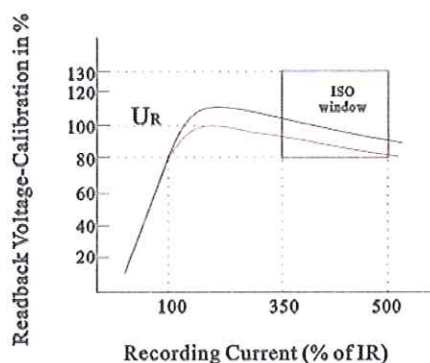
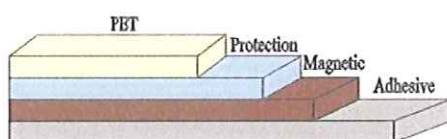


Technical Data

Type: TMD23-300



Saturation Curve



Film-Coating Composition

Process Method:

At first, the transfer magnetic stripe is stamped onto PVC overlay by "LOUDA" type machine, the magnetic layer is released from the base film and pulled off. Then, the PVC overlay is laminated with PVC card.

Recommended Process Condition:

Roller temperature: 100~140°C
Roller speed : 6~7meter/minute
Laminate Temperature: 120~140°C
Pressure: 10~15Mpa.
Duration: 20-25minutes

The processing conditions are for reference only.
Their parameters should be adjusted based on spot conditions.

Use and Characteristic:

The products, which have the features of good temperature resistance, good anticorrosibility and long durability, are widely used in PVC magnetic cards based on which telecom cards, identification cards, transaction cards, attendance cards and dining cards. The products are suitable for laminating techniques.

General Characteristics

Base film material	Polyester
Magnetic layer material	Ferrite
Color	Black

Thickness Characteristics

Base film	23±1 μm
Magnetic layer	9±2 μm
Protection layer	2.5±1 μm
Adhesive	2±0.5 μm

Magnetic Characteristics

Coercivity Hc	28.7 ⁺¹⁶ KA/m(360 Oe)
Retentivity Mr	≥10.000 μm.G
Squareness K	≥0.8
Switching field SFD	≤0.6
Orientation factor	≥2.0

Signal Amplitude Characteristics

According to ISO 7811-2

Signal amplitude U _{A1}	100±15%U _R
Signal amplitude U _{i1}	≤136%U _R
Signal amplitude U _{A2}	≥80%U _R
Signal amplitude U _{i2}	≥65%U _R
Resolution U _{A3}	≥70%U _{A2}
Erasure U _{A4}	≤3%U _R
Extra pulse U _{i4}	≤5% U _R

Wear Resistance Characteristics

According to ISO 7811-2

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 7811-2

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 1 year at temperature	10°C-35°C
humidity	40%-60%RH