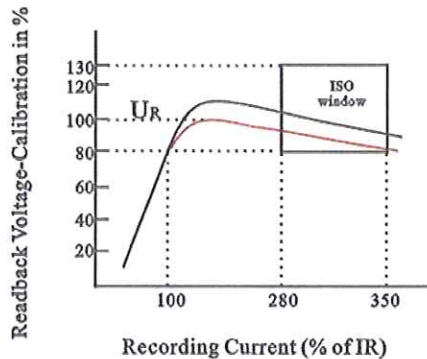
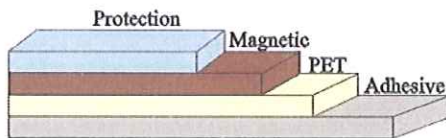


# Technical Data

## Type: LMD12-2750



Saturation Curve



Film-Coating Composition

### Recommended Process Condition:

Laminate Temperature: 120~140°C

Pressure: 10~15Mpa

Duration time: 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        | 12±1 μm  |
| Magnetic layer   | 7±2 μm   |
| Protection layer | 2.5±1 μm |
| Adhesive         | 2±0.5 μm |

### Magnetic Characteristics

|                     |  |
|---------------------|--|
| Coercivity Hc       | 219 <sup>+16</sup> / <sub>-3</sub> KA/m(2750 Oe) |
| Retentivity Mr      | ≥8.000 μm.G                                      |
| Squareness K        | ≥0.8   |
| Switching field SFD | ≤0.5   |
| Orientation factor  | ≥2.0   |

### Signal Amplitude Characteristics

According to ISO 7811-6

|                                  |                       |
|----------------------------------|-----------------------|
| Signal amplitude U <sub>A1</sub> | 100±15%U <sub>R</sub> |
| Signal amplitude U <sub>i1</sub> | ≤126%U <sub>R</sub>   |
| Signal amplitude U <sub>A2</sub> | ≥80%U <sub>R</sub>    |
| Signal amplitude U <sub>i2</sub> | ≥65%U <sub>R</sub>    |
| Resolution U <sub>A3</sub>       | ≥70%U <sub>A2</sub>   |
| Erasure U <sub>A4</sub>          | ≤3%U <sub>R</sub>     |
| Extra pulse U <sub>i4</sub>      | ≤5% U <sub>R</sub>    |

### Wear Resistance Characteristics

According to ISO 7811-6

|  |                            |
|--|----------------------------|
| Average signal amplitude U <sub>A</sub> after    | ≥60% U <sub>A</sub> before |
| Individual signal amplitude U <sub>i</sub> after | ≥80% U <sub>A</sub> after  |

### Chemical Resistance Characteristics

According to ISO 7811-6

|  |                            |
|--|----------------------------|
| Average signal amplitude U <sub>A</sub> after    | ≥90% U <sub>A</sub> before |
| Individual signal amplitude U <sub>i</sub> after | ≥90% U <sub>A</sub> 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 |