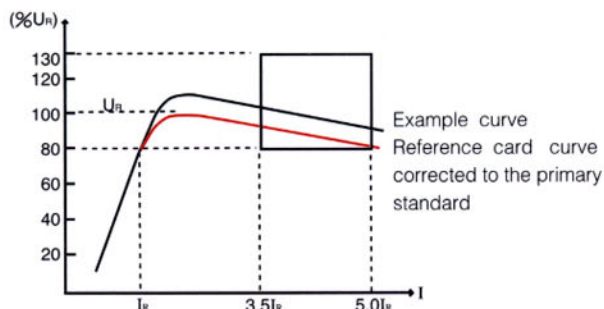


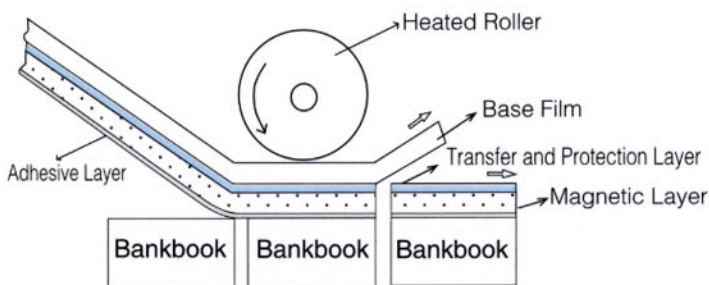
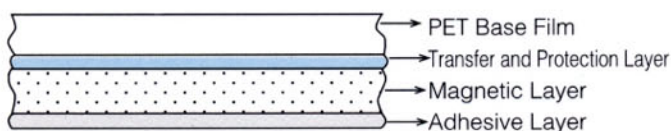
# Magnetic Information Sheet

## LK360BC11 Magnetic Stripe

Saturation Curve



Film-Coating Composite



**Process Method:** At first magnetic stripe has been laid (roll pressing) on bankbook. As the PET base film is transferred, the magnetic layer should be a break at the bankbook edge

**Recommended Process Condition:**

Roller temperature: (110~140)°C

Roller speed: (6~10) meters/minute

The processing conditions are for the reference only.

Their parameter should be adjusted base on spot conditions.

**Use and characteristic:**

The products are applied hot stamping magnetic stripe using Franklin-machine; make the bankbook, paper card as so on.

**General Characteristics**

Base film material: Polyester

Magnetic layer material: Ferrite

Color:Black

**Thickness Characteristics**

Base film thickness: ( 18 ± 1 ) μm

Total thickness: ( 33~35 ) μm

**Magnetic Characteristics**

Coercivity Hc: 28.7kA/m ( 360 Oe )

Retentivity Br: (1.4 ± 0.14) 10<sup>-6</sup> Wb/m

Squareness K: ≥0.8

**Signal Amplitude Characteristics**

According to ISO/IEC 7811-2/10373-2

Signal amplitude U<sub>A1</sub>: (0.8 ~1.3) U<sub>R</sub>

Signal amplitude U<sub>i1</sub>: ≤1.36 U<sub>R</sub>

Signal amplitude U<sub>A2</sub>: ≥U<sub>A1</sub> ≥U<sub>A2</sub> ≥0.8 U<sub>R</sub>

Signal amplitude U<sub>i2</sub>: ≥0.65 U<sub>R</sub>

Resolution U<sub>A3</sub>: ≥0.7 U<sub>A2</sub>

Erasure U<sub>A4</sub>: ≤0.03 U<sub>R</sub>

Extra pulse U<sub>i4</sub>: ≤0.05 U<sub>R</sub>

**Wear Resistance Characteristics**

According to ISO/IEC 7811-2/10373-2

After 2000 wear cycles

Average signal amplitude: U<sub>A</sub> after ≥0.60 U<sub>A</sub> before

Individual signal amplitude: U<sub>i</sub> after ≥0.80 U<sub>A</sub> after

**Chemical Resistance Characteristics**

According to ISO/IEC 7811-2/10373-1

Average signal amplitude: U<sub>A</sub> after ≥0.90 U<sub>A</sub> before

Individual signal amplitude: U<sub>i</sub> after ≥0.90 U<sub>A</sub> after

**Storage Conditions:**

The allowed storage period for the reel is 1 years at Temperature (10~30)°C, Humidity 40%~60%RH, Heavy pressing strictly prohibited.

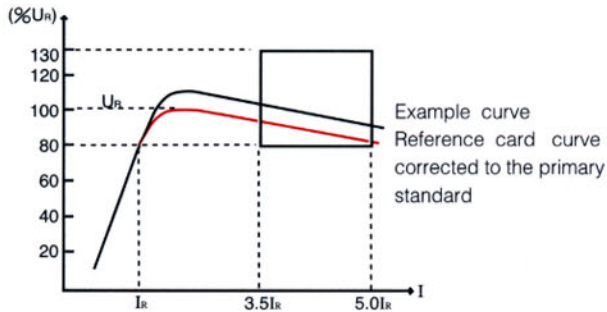
Not more than 6 boxes pile up, far away from the magnetic field.

Handle with care, avoid fierce vibration, and keep off sun and rain, far away from magnetic field in the transportations.

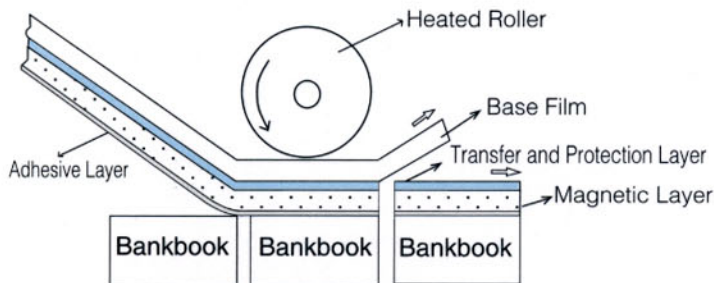
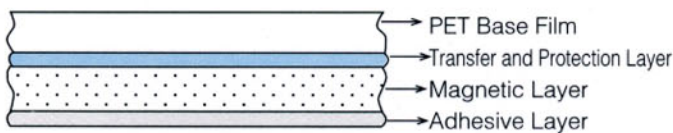
# Magnetic Information Sheet

## LK360BC21 Magnetic Stripe

Saturation Curve



Film-Coating Composite



**Process Method:** At first magnetic stripe has been laid (roll pressing) on bankbook. As the PET base film is transferred, the magnetic layer should be a break at the bankbook edge

**Recommended Process Condition:**

Roller temperature: (110~140)°C

Roller speed: (6~10) meters/minute

The processing conditions are for the reference only.

Their parameter should be adjusted base on spot conditions.

**Use and characteristic:**

The products are applied hot stamping magnetic stripe using Franklin-machine; make the bankbook, paper card as so on.

**General Characteristics**

Base film material: Polyester

Magnetic layer material: Ferrite

Color:Brown

**Thickness Characteristics**

Base film thickness: ( 18 ± 1 ) μm

Total thickness: ( 33~35 ) μm

**Magnetic Characteristics**

Coercivity Hc: 28.7kA/m ( 360 Oe )

Retentivity Br: ( 1.4 ± 0.14 ) 10<sup>-6</sup> Wb/m

Squareness K: ≥0.8

**Signal Amplitude Characteristics**

According to ISO/IEC 7811-2/10373-2

Signal amplitude U<sub>A1</sub>: ( 0.8 ~ 1.3 ) U<sub>R</sub>

Signal amplitude U<sub>I1</sub>: ≤ 1.36 U<sub>R</sub>

Signal amplitude U<sub>A2</sub>: ≥ U<sub>A1</sub> ≥ U<sub>A2</sub> ≥ 0.8 U<sub>R</sub>

Signal amplitude U<sub>I2</sub>: ≥ 0.65 U<sub>R</sub>

Resolution U<sub>A3</sub>: ≥ 0.7 U<sub>A2</sub>

Erasure U<sub>A4</sub>: ≤ 0.03 U<sub>R</sub>

Extra pulse U<sub>I4</sub>: ≤ 0.05 U<sub>R</sub>

**Wear Resistance Characteristics**

According to ISO/IEC 7811-2/10373-2

After 2000 wear cycles

Average signal amplitude: U<sub>A</sub> after ≥ 0.60 U<sub>A</sub> before

Individual signal amplitude: U<sub>i</sub> after ≥ 0.80 U<sub>A</sub> after

**Chemical Resistance Characteristics**

According to ISO/IEC 7811-2/10373-1

Average signal amplitude: U<sub>A</sub> after ≥ 0.90 U<sub>A</sub> before

Individual signal amplitude: U<sub>i</sub> after ≥ 0.90 U<sub>A</sub> after

**Storage Conditions:**

The allowed storage period for the reel is 1 years at Temperature (10~30)°C, Humidity 40%~60%RH, Heavy pressing strictly prohibited.

Not more than 6 boxes pile up, far away from the magnetic field.

Handle with care, avoid fierce vibration, and keep off sun and rain, far away from magnetic field in the transportations.