Technical Data Sheet

Magnetic Transfer Tapes	Type :	**DIHOG119**	HiCo 2750 Oe Orange

Saturation Curve
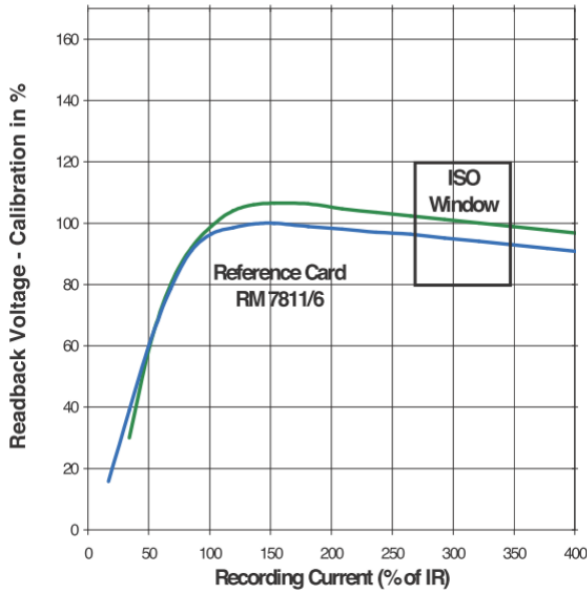
General Characteristics

Base film material	Polyester
Magnetic layer material	Ferrite
Color	Orange (PMS 151)

Thickness Characteristics

Base film	19
Protection layer	6.5 ± 1
Magnetic layer	11.5 ± 2
Adhesive	2 ± 0.5
Activation temperature	80°c

Magnetic Characteristics

Coercivity H_c	$219\ ^{+16}_{-8}$ kA/m (2750 Oe)
Retentivity M_r	≥ 8.000 µm.G
Squareness	≥ 0,8
Switching field SFD	≤ 0,5
Orientation factor	≥ 2,0

Signal Amplitude Characteristics

Signal amplitude U_{A1}	100 ±15 % U_R
Signal amplitude U_{i1}	≤ 126 % 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

Film – Coating Composite

Base film
Protection layer
Magnetic Layer
Adhesive

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% $U_{A\ after}$

Transfer Process

Base Film
Protection Layer
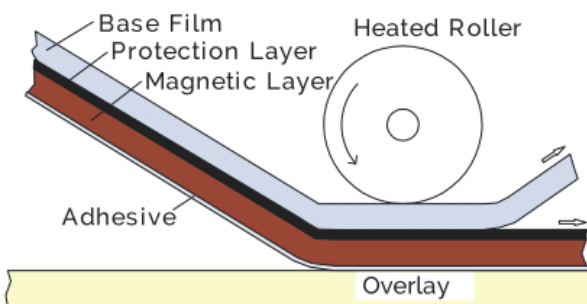Magnetic Layer
Heated Roller
Adhesive
Overlay

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.