

# lpr 90



+3

LONG PLAY VERSION OF SM900

- Width: 1/4"
- Backcoated
- Same formulation as SM900
- Excellent winding properties
- Low-speed recording compatible



**RECORDING  
THE MASTERS**

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TECHNICAL DATA

# 1. Technical Specifications

Data measured on Studer A810 - Reference level: 320 nWb/m

	<b>Tape speed</b> 38,1 cm/s 15 ips	<b>Tape speed</b> 19,05 cm/s 7.5 ips
<b>ΔS10 Sensitivity drop for recommended bias setting</b>	<b>+3 dB</b>	<b>+5 dB</b>
MOL Maximum Output Level at 1 kHz, 0 VU (3% THD)	+10 dB	+9.9 dB
Print-through	-56 dB	-56 dB

## 2. Magnetic Properties

Coercivity	370 Oe
Retentivity	15 800 μm.G
Saturation flux	18 000 μm.G
Orientation	Longitudinal

## 3. Physical Properties

Base film	Polyester	
Tape widths available	6,3 mm	¼ inch
Tolerances of tape width	+0,0 /-0,06 mm	+0.0 /-2.4 mil
Base thickness	20,0 μm	0.79 mil
Magnetic coating thickness	11,0 μm	0.43 mil
Backcoating	4,5 μm	0.18 mil
Total thickness	35,5 μm	1.40 mil
Surface resistance of magnetic coating	<10 GΩ	<10 GΩ
Surface resistance of backcoating	<100 kΩ	<100 kΩ
Load for elongation of 3%	>17 N	>17 N
Breaking tensile strength	>50 N	>50 N

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