

# ACME MAGNETIC TAPES LTD.

## AUDIO MAGNETIC TAPE SPECIFICATIONS

MS-880

Measuring Condition	Unit	C60	C90
1. Tape speed	cm/s	4.76	
2. Track Width	mm	0.6	
3. Gap Length:			
Record head	$\mu\text{m}$	3.0	
Playback head	$\mu\text{m}$	1.5	
4. Playback Equalization	$\mu\text{s}$	120+3180	
5. Reference Tape		IEC-IR723DG	
<b>Electroacoustic Properties</b>			
1. working Bias	%	100(+0/-10)	
2. Sensitivity at 315Hz	dB	> -1.3	> -1.3
3. Frequency Response			
at 8KHz	dB	$\geq +1.1$	$\geq +1.4$
at 12KHz	dB	$\geq +2.0$	$\geq +2.0$
4. Maximum output level at 315Hz, THD:5%	dB	$\geq +3.2$	$\geq +3.2$
5. Saturation level at 8KHz	dB	$\geq -4.5$	$\geq -4.5$
10KHz	dB	$\geq -6.0$	$\geq -6.0$
6. Signal to noise ratio	dB	< -50	
<b>Magnetic properties</b>			
1. Coercivity (Hc)	Oe	375	375
2. Rententivity(Br)	Gs	1300	1300
3. Squareness(Br/Bs)		0.88	0.88
<b>Physical properties</b>			
1. Base material		Semi Tensilized Polyester film	Tensilized Polyester film
2. Tape width	mm	3.81(+0/-0.05)	
3. Base thickness	$\mu\text{m}$	11.5	7.0
4. Coating thickness	$\mu\text{m}$	3.4( $\pm 0.5$ )	3.3( $\pm 0.5$ )
5. Total thickness	$\mu\text{m}$	14.9( $\pm 0.5$ )	10.3( $\pm 0.5$ )
6. Base film specifications:			
Yield strength	kg	0.5	0.3
Breaking strength	kg	1	0.7
Residual elongation	%	-	
7. Color	-	Tan	Tan
8. Surface Resistance	$\Omega/\text{sq}$	$\leq 4.0 \times 10^{10}$	$\leq 4.0 \times 10^{10}$
NOTE: Specifications may be varied without prior notice.			
Approved:		Date: 10 September 2001	Revision: 1