

REPRESENTATIVE PRODUCT LINE PACKAGE

PRODUCT:



D NORMAL-BIAS AUDIO TAPES

SPECIFICATIONS:

ITEM	UNIT	D 30	D 50	D 60	D 90	D 120
PHYSICAL PROPERTIES						
Color of Tape		Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Base Material		Tensilized Polyester	Tensilized Polyester	Tensilized Polyester	Tensilized Polyester	Tensilized Polyester
Tape Width	mm	3.81	3.81	3.81	3.81	3.81
Total Thickness	mm	17.0	17.0	17.0	12.5	9.5
Base Thickness	mm	12.0	12.0	12.0	7.5	6.0
Coating Thickness	mm	5.0	5.0	5.0	5.0	3.5
Tape Length	m	45	75	90	135	178
Yield Strength	N	7.5	7.5	7.5	6	5
Break Strength	N	15	15	15	11	9
MAGNETIC PROPERTIES						
Magnetic Particle		Pure-Grained Ferric	Pure-Grained Ferric	Pure-Grained Ferric	Pure-Grained Ferric	Pure-Grained Ferric
Coercivity	kA/m (Oe)	30 (380)	30 (380)	30 (380)	30 (380)	30 (380)
Remanence	mT (gauss)	155 (1550)	155 (1550)	155 (1550)	155 (1550)	155 (1550)
Squareness Ratio		0.83	0.83	0.83	0.83	0.83
RECORDING CHARACTERISTICS						
MOL	at 315 Hz	dB	-0.5	-0.5	-0.5	-0.5
	at 10 kHz	dB	+3.5	+3.5	+3.5	+1.0
Sensitivity	at 315 Hz	dB	-7.5	-7.5	-7.5	-7.5
	at 3.15 kHz	dB	-0.3	-0.3	-0.3	-1.0
	at 10 kHz	dB	0	0	0	-0.3
	at 16 kHz	dB	+0.2	+0.2	+0.2	+0.2
Bias Noise		dB	+0.5	+0.5	+0.5	+0.5
Print Through		dB	-55.0	-55.0	-55.0	-55.0
Erase		dB	57	57	57	52
Uniformity	at 315 Hz	dB	72	72	72	72
	at 10 kHz	VU	0.3	0.3	0.3	0.3

CASSETTE MECHANISM: PRC (Precision-Rigid Construction)

MEASUREMENT CONDITIONS

Measuring Deck: TDK Reference Deck	Reference Level: 250 nWb/m	MOL at 315 Hz: Playback output at 3% THD
Tape Speed: 4.76 cm/s	Playback Equalization: 3180 + 120 ms	MOL at 10 kHz: Saturation output level
Track Width: 0.6 mm	Reference Tape: Normal (TDK 8FA-1J027)	Measuring Magnetic Field Strength: 400 kA/m (5000 Oe)
Recording Head Gap: 4 mm	Operating Bias & Sensitivity: Comparison with reference tape	
Playback Head Gap: 1 mm	MOL & Bias Noise: Comparison with reference level	

(Specifications are subject to change without notice.)