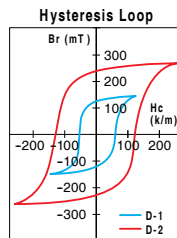


Composite Digital Video Performance: D-2 19mm Professional Digital Video Master Cassettes

Metal magnetic particles and digital recording technology combine to bring you a standard in composite video performance with Sony's D-2 tape. A low error rate supports the D-2 format's transparent multi-generation dubbing capability. Three cassette sizes and a variety of tape lengths add extra convenience.

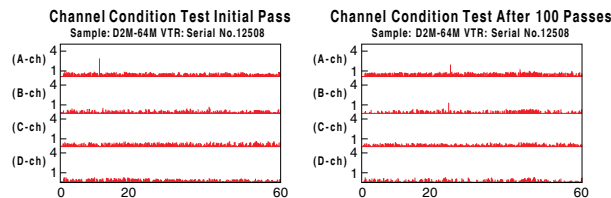
250mT retentivity with metal particles

Ultra-sharp pictures with highly faithful color rendition are balanced by true hi-fi audio quality, thanks to Sony's Emmy award-winning metal tape technology. Specially developed for the D-2 format, these ultra-fine metal magnetic particles raise retentivity to 250mT and coercivity to 119.4 kA/m. As shown by the hysteresis loop, this is far higher than any oxide tape.



Strong binder reduces errors

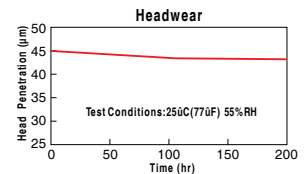
The binder's 50% higher cross-linking reduces particulate drop-off to less than one percent, one fourth that of previous tapes. The resulting low error rate is proven by channel condition tests. Running tests also show negligible decrease in output, even after 1000 shuttle times.



D-2
Composite Digital

Extended Head Life

A lubricant process controls the friction coefficient to reduce shearing force for lengthened head life. This contribution to professional digital video performance complements the proven reliability of Sony D-2 tape itself.



Physical properties

Item	Unit	Typical value
		D-2
Thickness: Base	µm	8.8
Thickness: Backcoating	µm	0.7
Thickness: Magnetic layer	µm	3.2
Thickness: Total	µm	12.7
Width	mm	19.010

Magnetic properties

Item	Unit	Typical value
Intrinsic coercivity (Hc)	kA/m	119.4
Retentivity (Br)	mT	250
Squareness (Br/Bm)	∅	0.84

Video and Audio performance*

Item	Unit	Typical value
RF-output	dB	0
Color S/N	dB	0
Sensitivity	dB	+0.3
Frequency response	dB	+0.3
Audio S/N	dB	+0.2

*Compared with Sony reference tape.