

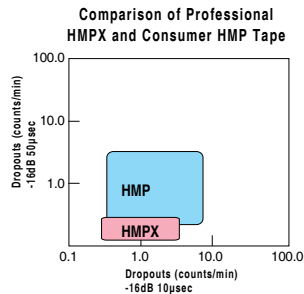
Resolution & Reliability for Pro Applications: Sony HMEX and HMPX Professional Hi8

Thanks to advanced technology, Sony Hi8 format tapes can give you the picture quality, durability, and reliability that you demand for professional applications. HMEX features Sony's advanced metal evaporation technology for outstanding Hi8 picture clarity. HMPX features high-power magnetic particles packed at high density in a new dropout-resistant binder. Each comes in a robust album case.



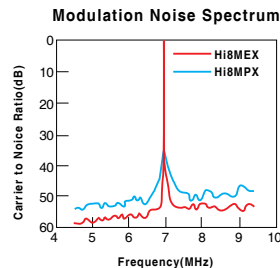
Professional standards of reliability

To satisfy professional standards, a videotape must exhibit extremely low dropouts. HMPX effectively resists dropouts, both in terms of dropout quantity and length, compared to consumer tape. Durable construction and strict quality control keep dropouts low even after multiple passes in still and shuttle modes.



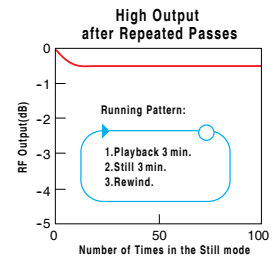
HMEX for original acquisition

Sony's vacuum evaporation technology applies a high-density magnetic layer directly to the base film. Surface processing controls roughness to reduce modulation noise. The combination of 370mT retentivity and low noise gives a high C/N ratio for ultra-clear picture quality, ideal for high-resolution camcorders.



Tough binder for editing

Editing requires repeated still and slow mode playback which can test a tape's toughness. Thanks to a newly developed binder system, HMPX now brings you metal particle tape excellence matched by dramatically improved durability.



Physical properties

Item	Unit	Typical value	
		P5-90HMPX	E5-90HMEX
Thickness: Base	µm	7.0	9.0
Thickness: Backcoating	µm	1.0	0.8
Thickness: Magnetic layer	µm	2.5	0.2
Thickness: Total	µm	10.5	10.0
Width	mm	8.00	8.00
Yield strength	N	10.0	10.0
Breaking tensile strength	N	20.0	15.0
Residual elongation	%	0.02	0.02

Magnetic properties

Item	Unit	Typical value	
Intrinsic coercivity (Hc)	kA/m	123	84
Retentivity (Br)	mT	250	370
Squareness (Rr/Bm)	∅	0.80	0.75

Video and Audio performance

Item	Unit	Typical value	
RF playback output*	dB	+2.0	+1.5
Video S/N*	dB	+1.5	+1.5
Color S/N*	dB	+1.5	+1.5
Dropouts (-16dB, 10µsec.)	avg. counts/min.	5	5

*Compared with Sony Hi8 Metal-P and Metal-E reference tapes, respectively.