



BASF SM 468	1991	2003	STM	acic	PE	30	14	48	black	380	30.4	1400	140	1960	--
BASF SM 900	1995	2003	STM	acic	PE	30	18	52	black	360	28.6	1340	134	2410	--
BASF SM 910	1984	1986	STM	acic	PE	33	15	52	black	325	25.9	1440	144	2160	--
BASF SM 911	1986	2003	STM	acic	PE	30	16	50	black	320	25.5	1450	145	2320	--
BASF SP 50 M	1972		CDMT	acic	PE	35	13	48	no	300	23.9	1100	110	1430	Loop bin tape
BASF SP 52 P	1972		GEN	acic	PE	35	13	48	no	310	24.7	1000	100	1300	--
BASF SP 54 R	1983		GEN	acic	PE	33	12	50	black	330	26.5	1050	105	1260	--
BASF SPM 50 CR	1983		CDMT	CrO <sub>2</sub>	PE	30	12	42	no	510	40.3	1370	137	1640	Loop bin tape
BASF SPR 50 LH	1973	1984	STM	acic	PE	33	15.5	51	black	345	27.5	1100	110	1700	--
BASF SPR 50 LHL	1976	1984	STM	acic	PE	33	16	52	black	340	27	1050	105	1650	--
BASF TP 18	1970		DOM	acic	PE	12	6	18	no	300	23.9	900	90	540	--
BASF TP 18 LH	1970		DOM	acic	PE	12	6	18	no	310	24.7	1100	110	660	--
BASF Typ LG	1948	1949	GEN	cub	PVC	32	26	58	no	81	6.4	264	26	690	--
IGF Typ C	1935	1936	GEN	spheric	AC	30	32	62	no	37	2.9	237	24	760	Carbonyl iron (grey)
IGF Typ C	1936	1939	GEN	cub	AC	28	37	65	no	95	7.5	260	26	960	Fe <sub>3</sub> O <sub>4</sub> (black)
IGF Typ C	1939	1943	GEN	cub	AC	30 ?	25 ?	55 ?	no	105	8.4	--	--	--	g-Fe <sub>2</sub> O <sub>3</sub> (red, brown)
IGF Typ L	1943	1947	GEN	cub	PVC	50	50	50	no	86	6.8	350	35	--	homogeneous
IGF Typ LG, Typ LGN	1945	1948	GEN	cub	PVC	30 ?	26	56 ?	no	81	6.4	264	26	--	--

## Abbreviations and Explanations:

AC	Cellulose acetate base
acic	Oxide is g-Fe <sub>2</sub> O <sub>3</sub> , acicular
BRC	Broadcast Tape
BRCLP	Broadcast Tape, long play
CDMT	Cassette Duplication Master Tape
CrO <sub>2</sub>	Oxide is CrO <sub>2</sub>
cub	Oxide is g-Fe <sub>2</sub> O <sub>3</sub> , cubic
DMT	Digital Master Tape
DOM	Domestic Tape
GEN	General Purpose Tape
IGF	I.G. Farbenindustrie Aktiengesellschaft (1925 - 1948)
PE	Polyester base
REF	Reference Tape (Bezugsbandleerteil)
PVC	PVC base
STM	Studio Master Type

Thicknesses given in -m (25.4 -m = 1 mil; 0.039 mil = 1 -m).

\* Matt Back: number gives the matt back thickness in -m, followed by color.

\*\* Originally (2006-07-15) incorrectly shown as "PVC"; corrected 2007-12-13 per F. E.

+ Originally (2006-07-15) incorrectly shown as "PVC"; corrected 2009-06-24 per F. E.

++ Originally (2006-07-15) incorrectly shown as "cub"; corrected 2009-06-24 per F. E.

Sources: Various data sheets by Agfa and BASF. Early tape data are selected from M-Iler, Rudolf, "On Improvements of Magnetic Tape Shown by Measurements on Early and Newer Tapes", Journal of the Audi 1988 October, p. 802 - 820 ; and Krones, Friedrich, "Die Theorie des Magnetspeichers", in Winkel, Fritz (ed.), "Technik der Magnetspeicher", Springer Berlin / G-ttingen / Heidelberg 1960

Reference tapes are unrecorded magnetic tapes with specified characteristics, not to be confused with calibration tapes, magnetic tapes on which signals have been recorded, mostly used to calibrate reproduci 60094-5, Clauses 2.4 and 2.5.