ACME MATERIALS TABLE

TERM	Initial Permeability	Maximum Magnetic Flux Density	Residual Magnetic Flux Density	Coercive Force	Relative Loss Factor	Electrical Resistivity	Temperature Coefficient	Curie Temperature	Density	Major Features
SYMBOL	μi	Bm	Br	Hc	$\tan\delta/\mu i$	ρ	$\alpha\mu r$	Tc	d	
Unit		Gauss	Gauss	Oe		Ω-Cm	$10^{-6}/K^{-1}$	°C	kg/m3	
CONDITIONS	10 kHz ; 25 °C	10 Oe ; 25 °C	25 °C	25 °C	25 °C	DC ; 25 °C	20 - 80 °C		25 °C	
A25	25 ± 25%	1920	1375	0.4	58 1 MHz	$\geq 10^8$	≤ 15	480	4800	
H-2	50 ± 25%	3300@50Oe	2100	5.5	285 1 MHz	$\geq 10^8$	≤ 100	300	5000	Low permeability, High Tc
H2C	80 ± 25%	2650	1950	0.5	5 1 MHz	$\geq 10^8$	≤ 40	> 350	4500	Low permeability, High Tc
H-3	100 ± 25%	2700	1800	0.55	88 1 MHz	$\geq 10^8$	≤ 80	250	4600	
H3A	125 ± 25%	2800	2100	0.5	390 1 MHz	$\geq 10^8$	≤ 110	230	4500	
H3C	125 ± 25%	3000	2400	0.55	70 1 MHz	$\geq 10^8$	≤ 11	300	4500	
H3B	150 ± 25%	2600	2100	0.46	163 1 MHz	$\geq 10^8$	≤ 60	220	4500	
H-4	300 ± 25%	2500	1600	0.43	145 1 MHz	$\geq 10^8$	≤ 100	160	4600	
H-5	250 ± 25%	3600	2600	0.5	50 1 MHz	$\geq 10^8$	≤ 40	> 250	4900	
H5B	250 ± 25%	4100	3300	0.4	58 1 MHz	$\geq 10^8$	≤ 0.23	240	5000	High Bs
H5M	230 ± 25%	3500	2000	0.5	50 1 MHz	$\geq 10^8$	≤ 30	> 280	5000	High Bs, High Resistivity (HID Lamps)
H5R	210 ± 25%	3500	2800	0.4	30 1 MHz	$\geq 10^8$	≤ 50	250	4900	High Resistivity
M5T	250 ± 25%	3200	2250	0.7	40 1 MHz	$\geq 10^6$	≤ 2	300	4500	Low Temperature Coeff.
M5Q	220 ± 25%	3200	2000	0.45	40 1 MHz	$\geq 10^6$	≤ 2	300	4500	High Q; Low Temperature Coeff.
D1C	350 ± 25%	3300	1800	0.45	30 1 MHz	$\geq 10^8$	≤ 50	> 160	5000	High Q Material
D1B	350 ± 25%	3550	2500	1.16	250 1 MHz	$\geq 10^8$	≤ 6.25	> 170	4960	High Bs, Low Temperature Coeff. of Permeability
D25	550 ± 25%	3900	2800	0.20	65 1 MHz	$\geq 10^8$	≤ 35	> 180	5000	High Bs materials
D27	700 ± 25%	3400	1300	0.2	20 0.1 MHz	$\geq 10^8$	≤ 7	150	4800	EMI Suppression
D28	800 ± 25%	2900	1700	0.65	20 0.1 MHz	$\geq 10^8$	≤ 5	> 150	5000	Low Powerloss, Suitable for RFID tramsponders, EMI Suppression
D30	1000 ± 25%	3400	1775	0.20	35 0.1 MHz	$\geq 10^8$	≤ 6	> 140	5000	Stress Resistant
D34	1000 ± 25%	3000	1500	0.45	18 0.1 MHz	$\geq 10^8$	1.35	130	5000	Low Temperature Coeff.
D35	1100 ± 25%	2700	950	0.34	20 0.1 MHz	$\geq 10^8$	≤ 2	> 120	5000	High Perm.
D40	2000 ± 25%	2500	825	0.07	18 0.1 MHz	$\geq 10^8$	20	90	5000	High Perm.