

**BOWMAN (ボーマン)社製標準試料リスト**  
 蛍光X線膜厚計用

2024.1更新

めっき皮膜		
皮膜/基材	部品番号	μm(厚み)
Ag/Cu	SAG40CU999	1
Ag/Cu	SAG80CU999	2
Ag/Cu	SAG120CU999	3
Ag/Cu	SAG300CU999	7.5
Ag/Cu	SAG400CU999	10
Ag/Cu	SAG500CU999	12.5
Ag/Cu	SAG600CU999	15
Ag/Cu	SAG800CU999	20
Ag/Cu	SAG1200CU999	30
Ag/Cu	SAG2000CU999	50
Au/Ni	SAU4NI999	0.1
Au/Ni	SAU10NI999	0.25
Au/Ni	SAU20NI999	0.5
Au/Ni	SAU40NI999	1
Au/Ni	SAU60NI999	1.5
Au/Ni	SAU90NI999	2.3
Au/Ni	SAU100NI999	2.5
Au/Ni	SAU120NI999	3
Au/Ni	SAU200NI999	5
Au/Ni	SAU300NI999	7.5
Cr/Cu	SCR50CU999	1.25
Cr/Cu	SCR80CU999	2
Cr/Cu	SCR120CU999	3
Cr/Cu	SCR200CU999	5
Cr/Cu	SCR400CU999	10
Cr/Cu	SCR500CU999	12.5
Cr/Fe	SCR150FE999	3.8
Cr/Fe	SCR300FE999	7.5
Cr/Fe	SCR400FE999	10
Cr/Fe	SCR600FE999	15
Cu/Al	SCU50AL999	1.25
Cu/Al	SCU170AL999	4.25
Cu/Al	SCU250AL999	6.25
Cu/Al	SCU300AL999	7.5
Cu/Epoxy	SCU60EPOXY999	1.5
Cu/Epoxy	SCU100EPOXY999	2.5
Cu/Epoxy	SCU200EPOXY999	5
Cu/Epoxy	SCU350EPOXY999	8.75
Cu/Epoxy	SCU500EPOXY999	12.5
Cu/Epoxy	SCU650EPOXY999	16.25
Cu/Epoxy	SCU800EPOXY999	20
Cu/Fe	SCU40FE999	1
Cu/Fe	SCU80FE999	2
Cu/Fe	SCU100FE999	2.5
Cu/Fe	SCU200FE999	5
Cu/Fe	SCU400FE999	10
Cu/Fe	SCU800FE999	20

皮膜/基材	部品番号	μm(厚み)
Ni/Al	SNI50AL999	1.25
Ni/Al	SNI100AL999	2.5
Ni/Al	SNI150AL999	3.75
Ni/Al	SNI700AL999	17.5
Ni/Al	SNI800AL999	20
Ni/Al	SNI900AL999	22.5
Ni/Cu	SNI10CU999	0.25
Ni/Cu	SNI20CU999	0.5
Ni/Cu	SNI40CU999	1
Ni/Cu	SNI50CU999	1.3
Ni/Cu	SNI60CU999	1.5
Ni/Cu	SNI80CU999	2
Ni/Cu	SNI100CU999	2.5
Ni/Cu	SNI200CU999	5
Ni/Cu	SNI300CU999	7.5
Ni/Cu	SNI400CU999	10
Ni/Cu	SNI600CU999	15
Ni/Cu	SNI800CU999	20
Ni/Fe	SNI100FE999	2.5
Ni/Fe	SNI200FE999	5
Ni/Fe	SNI400FE999	10
Ni/Fe	SNI500FE999	12.5
Ni/Fe	SNI700FE999	17.5
Ni/Fe	SNI1000FE999	25
Ni/Kovar	SNI25KVR999	0.6
Ni/Kovar	SNI50KVR999	1.3
Ni/Kovar	SNI100KVR999	2.5
Ni/Kovar	SNI200KVR999	5
Ni/Kovar	SNI400KVR999	10
Pd/Ni	SPD20NI999	0.5
Pd/Ni	SPD40NI999	1
Pd/Ni	SPD80NI999	2
Pd/Ni	SPD100NI999	2.5
Pd/Ni	SPD120NI999	3
Rh/Ni	SRH20NI999	0.5
Rh/Ni	SRH40NI999	1
Rh/Ni	SRH100NI999	2.5
Rh/Ni	SRH120NI999	3
Sn/Al	SSN150AL999	3.75
Sn/Al	SSN200AL999	5
Sn/Al	SSN500AL999	12.5
Sn/Al	SSN800AL999	20

全て校正証明書 付属

**BOWMAN (ボーマン)社製標準試料リスト**  
蛍光X線膜厚計用

2024.1更新

めっき皮膜 皮膜/基材	部品番号	μm(厚み)
Sn/Cu	SSN20CU999	0.5
Sn/Cu	SSN80CU999	2
Sn/Cu	SSN100CU999	2.5
Sn/Cu	SSN200CU999	5
Sn/Cu	SSN300CU999	7.5
Sn/Cu	SSN400CU999	10
Sn/Cu	SSN500CU999	12.5
Sn/Cu	SSN600CU999	15
Sn/Cu	SSN800CU999	20
Sn/Cu	SSN1200CU999	30
Sn/Fe	SSN40FE999	1
Sn/Fe	SSN200FE999	5
Sn/Fe	SSN650FE999	16.25
Sn/Fe	SSN800FE999	20
Sn/Fe	SSN1400FE999	35
Zn/Fe	SZN100FE999	2.5
Zn/Fe	SZN200FE999	5
Zn/Fe	SZN300FE999	7.5
Zn/Fe	SZN400FE999	10
Zn/Fe	SZN500FE999	12.5
Zn/Fe	SZN600FE999	15
Zn/Fe	SZN800FE999	20
Zn/Fe	SZN1000FE999	25
Zn/Fe	SZN1200FE999	30

全て校正証明書 付属

**BOWMAN (ボーマン) 社製標準試料リスト**  
 蛍光X線膜厚計用

2024.1更新

めっき皮膜 皮膜(合金)/基材	部品番号	μm(厚み)	成分 1	成分 2
Ni-P/Al	SNIP100-92AL999C	2.5	8wt%P	92wt%Ni
Ni-P/Al	SNIP200-92AL999C	5	8wt%P	92wt%Ni
Ni-P/Al	SNIP400-92AL999C	10	8wt%P	92wt%Ni
Ni-P/Al	SNIP600-92AL999C	15	8wt%P	92wt%Ni
Ni-P/Al	SNIP800-92AL999C	20	8wt%P	92wt%Ni
Ni-P/Al	SNIP100-88AL999C	2.5	12wt%P	88wt%Ni
Ni-P/Al	SNIP200-88AL999C	5	12wt%P	88wt%Ni
Ni-P/Al	SNIP400-88AL999C	10	12wt%P	88wt%Ni
Ni-P/Al	SNIP600-88AL999C	15	12wt%P	88wt%Ni
Ni-P/Al	SNIP800-88AL999C	20	12wt%P	88wt%Ni
Ni-P/Cu	SNIP100-96CU999C	2.5	4wt%P	96wt%Ni
Ni-P/Cu	SNIP200-96CU999C	5	4wt%P	96wt%Ni
Ni-P/Cu	SNIP300-96CU999C	7.5	4wt%P	96wt%Ni
Ni-P/Cu	SNIP400-96CU999C	10	4wt%P	96wt%Ni
Ni-P/Cu	SNIP500-96CU999C	12.5	4wt%P	96wt%Ni
Ni-P/Cu	SNIP700-96CU999C	17.5	4wt%P	96wt%Ni
Ni-P/Cu	SNIP100-92CU999C	2.5	8wt%P	92wt%Ni
Ni-P/Cu	SNIP200-92CU999C	5	8wt%P	92wt%Ni
Ni-P/Cu	SNIP300-92CU999C	7.5	8wt%P	92wt%Ni
Ni-P/Cu	SNIP400-92CU999C	10	8wt%P	92wt%Ni
Ni-P/Cu	SNIP500-92CU999C	12.5	8wt%P	92wt%Ni
Ni-P/Cu	SNIP700-92CU999C	17.5	8wt%P	92wt%Ni
Ni-P/Cu	SNIP1000-92CU999C	25	8wt%P	92wt%Ni
Ni-P/Cu	SNIP100-88CU999C	2.5	12wt%P	88wt%Ni
Ni-P/Cu	SNIP200-88CU999C	5	12wt%P	88wt%Ni
Ni-P/Cu	SNIP300-88CU999C	7.5	12wt%P	88wt%Ni
Ni-P/Cu	SNIP400-88CU999C	10	12wt%P	88wt%Ni
Ni-P/Cu	SNIP500-88CU999C	12.5	12wt%P	88wt%Ni
Ni-P/Cu	SNIP700-88CU999C	17.5	12wt%P	88wt%Ni
Ni-P/Fe	SNIP100-96FE999C	2.5	4wt%P	96wt%Ni
Ni-P/Fe	SNIP200-96FE999C	5	4wt%P	96wt%Ni
Ni-P/Fe	SNIP300-96FE999C	7.5	4wt%P	96wt%Ni
Ni-P/Fe	SNIP400-96FE999C	10	4wt%P	96wt%Ni
Ni-P/Fe	SNIP500-96FE999C	12.5	4wt%P	96wt%Ni
Ni-P/Fe	SNIP700-96FE999C	17.5	4wt%P	96wt%Ni
Ni-P/Fe	SNIP100-92FE999C	2.5	8wt%P	92wt%Ni
Ni-P/Fe	SNIP200-92FE999C	5	8wt%P	92wt%Ni
Ni-P/Fe	SNIP300-92FE999C	7.5	8wt%P	92wt%Ni
Ni-P/Fe	SNIP400-92FE999C	10	8wt%P	92wt%Ni
Ni-P/Fe	SNIP500-92FE999C	12.5	8wt%P	92wt%Ni
Ni-P/Fe	SNIP700-92FE999C	17.5	8wt%P	92wt%Ni
Ni-P/Fe	SNIP1000-92FE999C	25	8wt%P	92wt%Ni
Ni-P/Fe	SNIP100-88FE999C	2.5	12wt%P	88wt%Ni
Ni-P/Fe	SNIP200-88FE999C	5	12wt%P	88wt%Ni
Ni-P/Fe	SNIP300-88FE999C	7.5	12wt%P	88wt%Ni
Ni-P/Fe	SNIP400-88FE999C	10	12wt%P	88wt%Ni
Ni-P/Fe	SNIP500-88FE999C	12.5	12wt%P	88wt%Ni
Ni-P/Fe	SNIP700-88FE999C	17.5	12wt%P	88wt%Ni

# BOWMAN (ボーマン) 社製標準試料リスト

2024.1更新

蛍光X線膜厚計用

めっき皮膜

皮膜(合金)/基材	部品番号	μm(厚み)	成分 1	成分 2
Pd-Ni/Cu	SPDNI10-80CU999	0.25	80wt%Pd	20wt%Pd
Pd-Ni/Cu	SPDNI20-80CU999	0.5	80wt%Pd	20wt%Pd
Pd-Ni/Cu	SPDNI30-80CU999	0.75	80wt%Pd	20wt%Pd
Pd-Ni/Cu	SPDNI40-80CU999	1	80wt%Pd	20wt%Pd
Pd-Ni/Cu	SPDNI60-80CU999	1.5	80wt%Pd	20wt%Pd
Pd-Ni/Cu	SPDNI80-80CU999	2	80wt%Pd	20wt%Pd
Sn-Pb/Cu	SSNPB40-60CU999	1	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB120-60CU999	3	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB200-60CU999	4	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB300-60CU999	7.5	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB400-60CU999	10	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB500-60CU999	12.5	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB600-60CU999	15	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB800-60CU999	20	60wt%Sn	40wt%Pb
Sn-Pb/Cu	SSNPB100-90CU999	2.5	90wt%Sn	10wt%Pb
Sn-Pb/Cu	SSNPB200-90CU999	5	90wt%Sn	10wt%Pb
Sn-Pb/Cu	SSNPB400-90CU999	10	90wt%Sn	10wt%Pb
Sn-Pb/Cu	SSNPB500-90CU999	12.5	90wt%Sn	10wt%Pb
Sn-Pb/Cu	SSNPB600-90CU999	15	90wt%Sn	10wt%Pb
Zn-Ni/Fe	SZNNI100-85FE999	2.5	85wt%Zn	15wt%Ni
Zn-Ni/Fe	SZNNI200-85FE999	5	85wt%Zn	15wt%Ni
Zn-Ni/Fe	SZNNI400-85FE999	10	85wt%Zn	15wt%Ni
Zn-Ni/Fe	SZNNI500-85FE999	12.5	85wt%Zn	15wt%Ni
Zn-Ni/Fe	SZNNI600-85FE999	15	85wt%Zn	15wt%Ni
Zn-Ni/Fe	SZNNI800-85FE999	20	85wt%Zn	15wt%Ni

上記、全て校正証明書 付属

(厚み・成分比)

**BOWMAN (ボーマン) 社製標準試料リスト**  
 蛍光X線膜厚計用

2024.1 更新

基材(バルク合金)	部品番号	成分 1	成分 2
Au-Sn	SAUSN999-70	70wt%Au	30wt%Sn
Au-Sn	SAUSN999-80	80wt%Au	20wt%Sn
Au-Sn	SAUSN999-90	90wt%Au	10wt%Sn
Cu-Sn	SCUSN999-94	94wt%Cu	6wt%Sn
Cu-Zn	SCUZN999-63	63wt%Cu	37wt%Zn
Ni-Co	SNICO999-50	50wt%Ni	50wt%Co
Ni-Co	SNICO999-65	65wt%Ni	35wt%Co
Ni-Co	SNICO999-85	85wt%Ni	15wt%Co
Ni-Cr	SNICR999-80	80wt%Ni	20wt%Cr
Ni-Fe	SNIFE999-50	50wt%Ni	50wt%Fe
Ni-Fe	SNIFE999-80	80wt%Ni	20wt%Fe
Ni-P	SNIP999-96C	96wt%Ni	4wt%P
Ni-P	SNIP999-92C	92wt%Ni	8wt%P
Ni-P	SNIP999-88C	88wt%Ni	12wt%P
Pd-Co	SPDCO999-70	70wt%Pd	30wt%Co
Pd-Co	SPDCO999-75	75wt%Pd	25wt%Co
Pd-Ni	SPDNI999-80	80wt%Pd	20wt%Ni
Sn-Ag	SSNAG999-95	95wt%Sn	5wt%Ag
Sn-Ag	SSNAG999-96.3	96.3wt%Sn	3.7wt%Ag
Sn-Ag	SSNAG999-97	97wt%Sn	3wt%Ag
Sn-Ag	SSNAG999-98.2	98.2wt%Sn	1.8wt%Ag
Sn-Bi	SSNBI999-40	40wt%Sn	60wt%Bi
Sn-Bi	SSNBI999-60	60wt%Sn	40wt%Bi
Sn-Bi	SSNBI999-90	90wt%Sn	10wt%Bi
Sn-Bi	SSNBI999-95	95wt%Sn	5wt%Bi
Sn-Bi	SSNBI999-97	97wt%Sn	3wt%Bi
Sn-Bi	SSNBI999-99	99wt%Sn	1wt%Bi
Sn-Pb	SSNPB999-2.5	2.5wt%Sn	97.5wt%Pb
Sn-Pb	SSNPB999-5	5wt%Sn	95wt%Pb
Sn-Pb	SSNPB999-8	8wt%Sn	92wt%Pb
Sn-Pb	SSNPB999-10	10wt%Sn	90wt%Pb
Sn-Pb	SSNPB999-20	20wt%Sn	80wt%Pb
Sn-Pb	SSNPB999-30	30wt%Sn	70wt%Pb
Sn-Pb	SSNPB999-40	40wt%Sn	60wt%Pb
Sn-Pb	SSNPB999-50	50wt%Sn	50wt%Pb
Sn-Pb	SSNPB999-60	60wt%Sn	40wt%Pb
Sn-Pb	SSNPB999-63	63wt%Sn	37wt%Pb
Sn-Pb	SSNPB999-70	70wt%Sn	30wt%Pb
Sn-Pb	SSNPB999-80	80wt%Sn	20wt%Pb
Sn-Pb	SSNPB999-90	90wt%Sn	10wt%Pb
Sn-Pb	SSNPB999-95	95wt%Sn	5wt%Pb
Sn-Pb	SSNPB999-96	96wt%Sn	4wt%Pb
Sn-Pb	SSNPB999-97	97wt%Sn	3wt%Pb
Sn-Pb	SSNPB999-98	98wt%Sn	2wt%Pb
Sn-Pb	SSNPB999-99	99wt%Sn	1wt%Pb
Sn-Zn	SSNZN999-70	70wt%Sn	30wt%Zn
Sn-Zn	SSNZN999-92	92wt%Sn	8wt%Zn
Ti-W	STIW999-10	10wt%Ti	90wt%W

上記 全て校正証明書付属 (成分比のみ)

BOWMAN (ボーマン)社製標準試料リスト  
 基材 (飽和厚み) X線膜厚計用

2024.1 更新

73種類

基材 (飽和厚み)	部品番号		
Ag (Silver)	SAG999		
Al (Aluminum)	SAL999		
Au (Gold)	SAU999		
Bi (Bismuth)	SBI999		
Cd (Cadmium)	SCD999		
Co (Cobalt)	SCO999		
Cr (Chromium)	SCR999		
Cu (Copper)	SCU999		
Fe (Iron or carbon steel)	SFE999		
In (Indium)	SIN999		
Ir (Iridium)	SIR999		
Mg (Magnesium)	SMG999		
Mn (Manganese)	SMN999		
Mo (Molybdenum)	SMO999		
Nb (Niobium)	SNB999		
Ni (Nickel)	SNI999		
P (NH4H2PO4 Pellet) 32mm Dia	10011-15		
Pb (Lead)	SPB999		
Pd (Palladium)	SPD999		
Pt (Platinum)	SPT999		
Rh (Rhodium)	SRH999		
Ru (Ruthenium)	SRU999		
Sb (Antimony)	SSB999		
Si (Silicon)	SSI999		
Sn (Tin)	SSN999		
Ta (Tantalum)	STA999		
Ti (Titanium)	STI999		
V (Vanadium)	SV999		
W (Tungsten)	SW999		
Zn (Zinc)	SZN999		
Zr (Zirconium)	SZR999		
Ag (Silver)	PSAG999	ピン付	Pin Holder Mount
Al (Aluminum)	PSAL999	ピン付	Pin Holder Mount
Cu (Copper)	PSCU999	ピン付	Pin Holder Mount
Fe (Iron or carbon steel)	PSFE999	ピン付	Pin Holder Mount
Mo (Molybdenum)	PSMO999	ピン付	Pin Holder Mount
Ni (Nickel)	PSNI999	ピン付	Pin Holder Mount
Pb (Lead)	PSPB999	ピン付	Pin Holder Mount
Si (Silicon)	PSSI999	ピン付	Pin Holder Mount
Ti (Titanium)	PSTI999	ピン付	Pin Holder Mount
W (Tungsten)	PSW999	ピン付	Pin Holder Mount
Zn (Zinc)	PSZN999	ピン付	Pin Holder Mount
Al <sub>2</sub> O <sub>3</sub> (Aluminum Oxide)	SALOX999		
Cu/Epoxy - ½ oz	SCUFR4999-0.5		
Cu/Epoxy - 1 oz	SCUFR4999-1.0		
FR-4 (Epoxy)	SFR4999		
C7025 (Corson Copper)	SC7025999		
CA194 (Cu-Fe2)	SCA194999		
CA230 (Red Brass, Cu-Zn)	SCA230999		
CDA260 (Brass, Cu-Zn)	SCDA260999		
CDA353 (Leaded Brass, Cu-Zn-Pb)	SCDA353999		
CDA510 (Phosphor Bronze, Cu-Sn-P) 5%Sn	SCDA510999		
CDA521 (Phosphor Bronze, Cu-Sn-P) 8%Sn	SCDA521999		

Alloy 42	SALLOY42999	
Alloy 52	SALLOY52999	
Invar	SINVAR999	
Kovar	SKOVAR999	
301 SS (301 Stainless Steel)	SSS301999	
304 SS (304 Stainless Steel)	SSS304999	
316 SS (316 Stainless Steel)	SSS316999	
430 SS (430 Stainless Steel)	SSS430999	
Inconel 625	SINCONEL999	
Monel	SMONEL999	
Ni-Co 50-50	U2827-50999	
Ni-Co 65-35	U2827-65999	
Ni-Co 85-15	U2827-85999	
Ni-Cr 80-20	U2824-80999	
Ni-Fe 50-50	U2826-50999	
Ni-Fe 80-20	U2826-80999	
Ni-P (Electroless Nickel -4%P)	SNIP999-96	P%成分比較正なし
Ni-P (Electroless Nickel -8%P)	SNIP999-92	P%成分比較正なし
Ni-P (Electroless Nickel -12%P)	SNIP999-88	P%成分比較正なし
15 POINT INFINITE CARD (Al, Fe, Ni, Cu, Zn, Mo, Ag, Sn, Au, Pb, Pd, Ti, Cr, Cd,	110903	

上記 飽和厚みには校正証明書は付属しません