



CHINATUNGSTEN

3F, NO.25 WH Rd, 2# XIAMEN SOFTWARE PARK,

XIAMEN, FUJIAN, CHINA, 361008

Fax: (86) 592-512-9797

ONLINE MANU. & SALES CORP.

Phone: 86)592-512-9696

WCu, WAg alloy standards for some countrys and companys

Grades	Standards	Density /g . cm³ (≥)	Hardness	Electrical Resistivity /μΩ . cm	Electric Conductivity /%IACS
W50Cu	Chinese National Standard	11.85	115HB	3.2	54
	American ASTM standard	11.7	69~83HRB	2.7~4.5	38~64
	JPMA standards in Japan	12.5	60~80HRB	3.1~3.2	55~75
	Germany Doduco Company	12.2	110~140HV	3.8~4.5	38~45
	Tungsten Corporation Ltd. of Japan	12.0	78HRB	3.1	55
	Austria Plansee Company	11.6	120HRB	2.6	58
W40Cu	Chinese National Standard	12.75	140HB	3.7	47
	American ASTM standard	12.7	77~90HRB	3.0~5.0	34~57
	JPMA standards in Japan	13.4	70~85HRB	2.65~3.45	50~65
	Germany Doduco Company	13.2	140~170HV	4.2~5.0	34~41
	Tungsten Corporation Ltd. of Japan	13.2	88HRB	3.4	50
	Austria Plansee Company	12.7	140HRB	3.3	51
W30Cu	Chinese National Standard	13.8	175HB	4.1	42
	American ASTM standard	13.7	85~98HRB	3.3~5.9	29~52
	JPMA standards in Japan	14.5	85~100HRB	3.1~4.3	40~55
	Germany Doduco Company	14.3	160~200HV	4.5~5.6	31~38
	Mitsubishi Corporation	14.2	210HB	3.6	48
	Austria Plansee Company	14.0	150HB	4.0	43
	JMM Company UK	13.6	160HV	5.3	33
W20Cu	Chinese National Standard	15.0	220HB	5.0	34
	American ASTM standard	15.0	94~106HRB	3.8~6.9	25~45
	JPMA standards in Japan	15.6	95~115HRB	3.85~5.76	30~45
	Germany Doduco Company	15.6	210~250HV	5.0~6.3	27~34
	Mitsubishi Corporation	15.6	99~102HRB	4.31~4.55	38~40
	Austria Plansee Company	15.4	180HB	5.0	35
	JMM Company UK	15.2	240HV	6.17	28
W50Ag	Chinese National Standard	13.15	105HB	3.0	57
	American ASTM standard	13.85	55~60HRB	2.5~2.97	58~68
	JPMA standards in Japan	13.8	55~80HRB	2.46~2.97	58~70
W40Ag	Chinese National Standard	14.0	125HB	3.4	51
	JPMA standards in Japan	14.6	50~60HRB	2.8~3.4	50~60
	Tungsten Corporation Ltd. of Japan	14.2	55~80HRB	3.0	57

W35Ag	Chinese National Standard	14.5	135HB	3.6	48
	American ASTM standard	15.12	73~86HRB	2.9~3.8	45~60
	JPMA standards in Japan	15.1	75~95HRB	2.97~3.75	46~58
	Tungsten Corporation Ltd. of Japan	14.6	83HRB	3.1	55
	Austria Plansee Company	14.0	110HB	3.7	47
W30Ag	Chinese National Standard	14.9	150HB	3.8	45
	American ASTM standard	15.74	105HRB	3.2	40~54
	JPMA standards in Japan	15.6	100HRB	3.2	42~54
	Germany Doduco Company	15.4	190HV	3.3	34~45
	JMM Company UK	15.6	220HB	4.0	43
	Tungsten Corporation Ltd. of Japan	15.1	205HB	3.31	51
W20Ag	Chinese National Standard	16.1	180HB	4.6	37
	JPMA standards in Japan	16.6	90~110HRB	4.5	38~50
	Germany Doduco Company	16.4	150~230HRB	3.3~4.6	37~52
	Tungsten Corporation Ltd. of Japan	16.2	103HRB	3.8	45
	Austria Plansee Company	15.6	180HB	5.0	35