



mipalloy®



Complete Competence in Copper

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Typical Physical And Mechanical Properties Of Mipalloy Materials

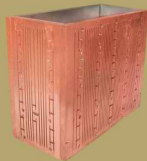
MIPALLOY GRADE	ALLOY		RWMA	HARDNESS ROCKWELL	ELECTRICAL CONDUCTIVITY I.A.C.S	ULTIMATE STRENGTH P.S.I	ELONGATION % IN 2"	ANNEALING TEMPERATURE °C	DENSITY GMS/CC
Mipalloy C	Copper	Cast Wrought			100 %	30,000 35,000	15 30	180 180	8.96
Mipalloy AC	Silver Copper	Cold Rolled		45 B 60 B	95 %	40,000	15 20	300	8.96
Mipalloy Z	Zirconium Copper	Cast Wrought	Group A Class 1	64 B 80 B	92 %	60,000 65,000	8 20	450	8.96
Mipalloy 3	Chromium Copper	Cast Wrought	Group A Class 2	70 B 83 B	75 % 75 %	50,000 75,000	20 15	500 500	8.96
Mipalloy 3ZR	Chromium Zirconium Copper	Cast Wrought	Group A Class 2	70 B 83 B	75 % 75 %	50,000 75,000	20 15	525 525	8.96
Mipalloy 100	0.55% Beryllium Copper	Cast Wrought	Group A Class 3	95 B 105 B	45 % 45 %	95,000 1,10,000	6 10	550 550	8.96
Mipalloy 100	Nickel Silicon Chromium Copper	Cast Wrought	Group A Class 3	90 B 100 B	45 % 45 %	1,10,000	6 10	550 550	8.96
Mipalloy 4	2% Beryllium Copper	Cast Wrought	Group A Class 4	36 C 44 C	20 % 23 %	1,10,000 1,70,000	2 4	375 375	8.3
Mipalloy M56WC	Tungsten 56% Copper	Sintered	Group B Class 10	72 B 82 B	55 % 60 %				12.6
Mipalloy M68WC	Tungsten 68% Copper	Sintered	Group B Class 10	85 B 92 B	48 % 53 %				13.93
Mipalloy M70WC	Tungsten 70% Copper	Sintered	Group B Class 10	88 B 95 B	47 % 52 %				14.18
Mipalloy M75WC	Tungsten 75% Copper	Sintered	Group B Class 11	94 B 99 B	42 % 50 %				14.80
Mipalloy M80WC	Tungsten 80% Copper	Sintered	Group B Class 12	98 B 104 B	41 % 49 %				15.60
Mipalloy M100W	Tungsten	Sintered	Group B Class 13	69 A	31 %				19.28
Mipalloy M100M	Molybdenum	Sintered	Group B Class 14	89 B	30 %				10.2
Mipalloy DSC	Dispersion Strengthened Copper	Sintered	Group C Class 20	75 B 78 B	80 %	63,000 70,000	15 25	950	8.65



Plastic Mould Materials



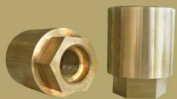
Resistance Welding Products



Continuous Casting Mould Plates



EDM Electrodes



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For Pressure Die Casting



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