



COMPOSITE TYPICAL PROPERTIES

Industries	Nominal Composition % Weight	Rockwell Hardness	Electrical Conductivity % IACS	Ultimate Tensile Strength PSI	Cross Breaking Strength PSI	Density GMS/CC	Thermal Expansion In/in °C x 10 ⁻⁶ at 20°	Thermal Conductivity W/(cm x °C) 20-400°C	Specific Heat J/(kg x °C) at 20°	Electrical Resistivity Micro Ohm x cm at 20°
CW55	55% Tungsten 45% Copper	79 B	55	63,000	110,000	12.5	11.80	2.40	251	3.13
CW68	68% Tungsten 32% Copper	88 B	52	75,000	130,000	13.93	10.90	2.10	219	3.32
CW70E	68% Tungsten 32% Copper	90 B	50	85,000	140,000	14.18	10.77	2.01	214	3.45
CW70	70% Tungsten 30% Copper	90 B	50	85,000	140,000	14.18	10.77	2.01	214	3.45
CW75	75% Tungsten 25% Copper	94 B	48	90,000	150,000	14.70	10.22	1.89	201	3.59
CW78	78% Tungsten 22% Copper	96 B	46	94,000	160,000	15.12	9.30	1.84	194	3.74
CW80	80% Tungsten 20% Copper	98 B	44	96,000	170,000	15.56	9.20	1.82	188	3.92

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