



# Wenzhou Longsun Electrical Alloy CO.,LTD.

No.181, Weiliu Road ,Yueqing Economic Development district, Zhejiang, China

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## Materials and Characteristic

Masterial	Specification (WT%)			Density ≥g/cm <sup>3</sup>	Hardness≥ HB	Resistance ratio ≤μΩ.cm	Application
	Ag	W					
AgW (40)	60	40		12.4	85	2.6	Heavy load of AC and DC contactor, all kinds of universal circuit breaker.
AgW (50)	50	50		13.15	105	3	
AgW (55)	45	55		13.55	115	3.2	
AgW (60)	40	60		14	125	3.4	
AgW (70)	30	70		14.9	150	3.8	
AgW (80)	20	80		16.1	180	4.6	
	Ag	WC					High current switches and circuit breaker, Mainly used with silver nickel and silver tungsten carbide
AgWC(40)	60	40		11.7	120	4.1	
AgWC(50)	50	50		12.2	130	4.7	
AgWC(60)	40	60		12.6	150	5.8	
	Ag	WC	C				
AgWC(12)C(3)	85	12	3	9.4	55	3.4	
	Ag	Ni					AC and DC relays, instructions switch, contactor, thermostat and timer
AgNi(10)	90	10		10	75	2.1	
AgNi(15)	85	15		9.9	76	2.2	
AgNi(20)	80	20		9.8	77	2.3	
AgNi(30)	70	30		9.7	80	2.7	
AgNi(40)	60	40		9.5	85	3.4	
	Ag	Ni	C				
AgNi(30)C(3)	67	30	3	8.7	55	3.5	
	Ag	CdO					Mainly applied in wassermengen in relay, contactor, small and medium size capacity and DC low voltage circuit breaker switch, protection switches and automobile electric appliances
AgCdO(8)	92	8		10.05	64	2	
AgCdO(10)	90	10		10	65	2.1	
AgCdO(12)	88	12		9.9	67	2.3	
AgCdO(13)	87	13		9.8	70	2.5	
AgCdO(15)	85	15		9.75	70	2.7	
	Ag	ZnO					
AgZnO(8)	92	8		9.5	70	2.6	
AgZnO(10)	90	10		9.4	73	2.7	
AgZnO(12)	88	12		9.3	75	3	
	Ag	SnO <sub>2</sub>					
AgSnO <sub>2</sub> (8)	92	8		9.9	65	2.5	
AgSnO <sub>2</sub> (10)	90	10		9.8	70	2.7	
AgSnO <sub>2</sub> (12)	88	12		9.7	75	3	
	Ag	SnO <sub>2</sub>	In <sub>2</sub> O <sub>3</sub>				
AgSnO <sub>2</sub> (5)In <sub>2</sub> O <sub>3</sub> (3)	92	5	3	9.9	70	3.2	
AgSnO <sub>2</sub> (6)In <sub>2</sub> O <sub>3</sub> (4)	90	6	4	9.8	70	3.3	
AgSnO <sub>2</sub> (7)In <sub>2</sub> O <sub>3</sub> (3)	90	7	3	9.8	75	3.3	
AgSnO <sub>2</sub> (8)In <sub>2</sub> O <sub>3</sub> (4)	88	8	4	9.7	75	3.4	
AgSnO <sub>2</sub> (9)In <sub>2</sub> O <sub>3</sub> (4)	87	9	4	9.6	80	3.5	
AgSnO <sub>2</sub> (10)In <sub>2</sub> O <sub>3</sub> (4)	86	10	4	9.5	80	3.5	



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	Ag	C					
AgC(3)	97	3		9.1	35	2.2	Protection switches, MCB
AgC(5)	95	5		8.6	35	2.5	
	Cu	W					
CuW (50)	50	50		11.85	115	3.2	Mainly used in high voltage circuit breaker
CuW (60)	40	60		12.75	140	3.7	
CuW (70)	30	70		13.8	175	4.1	
CuW (80)	20	80		15.15	220	5	
CuW (90)	10	90		16.75	260	6.5	
	Cu	WC	C				
CuWC(15)	85	15		9.1	60	3	
CuC(3)	97		3	7.9	45	3	