

FUDAR

AgWC					
Overview	AgWC contact materials containing high melting point WC have high hardness, low mechanical wear, low tendency of welding and relatively stable contact resistance. AgWC contact production using powder metallurgy infiltration method.				
Application	It is mainly used in high load switching devices such as circuit breakers and earth leakage switches. In many cases, it is used in asymmetric pairs with silver graphite.				
Material Properties					
	8#AgWC	6#AgWC	1#AgWC	5#AgWC	3#AgWC
Ag Content (wt%)	70.0±2.0	65.0±2.0	60.0±2.0	50.0±2.0	35.0±2.0
Density (g/cm ³)	≥11.17	≥11.55	≥11.60	≥12.05	≥12.81
Elec.Resistivity (μΩ·cm)	≤2.90	≤3.40	≤3.45	≤4.50	≤5.35
Hardness HB	≥95	≥110	≥110	≥135	≥158
Manufacturing Process	Infiltration				

Product Types					
	8#AgWC	6#AgWC	1#AgWC	5#AgWC	3#AgWC
Wires					
Strips					
Tips	√	√	√	√	√
Bimetal Strips					
Rivets					