FUDAR

AgC						
Overview	AgC has high resistance to welding and low contact resistance. As the graphite content increases, its resistance to welding will also increase. AgC materials have self-lubricating properties when used as sliding contacts.					
Application	Mainly used for protection switches, such as miniature circuit breakers (MCB), moulded case circuit breakers (MCCB), earth leakage protection switches or motor protection switches, often with AgNi, AgW, AgWC or Cu to form an asymmetric pair of contacts.					
Material Properties						
	2#AgC	1#AgC	3#AgC	6#AgC	7#AgC	8#AgC
C Content (wt%)	3.0±0.5	4.0±0.7	5.0±0.8	3.0±0.5	3.8±0.5	4.0±0.7
Density (g/cm³)	≥9.10	≥8.80	≥8.60	≥9.10	≥9.00	≥8.90
Elec.Resistivity (μΩ·cm)	≤2.20	≤2.30	≤2.50	≤2.10	≤2.20	≤2.20
Hardness HV	≥35	≥35	≥35	≥42	≥42	≥42
Manufacturing Process	Sintering-Extruding					

Product Types						
	2#AgC	1#AgC	3#AgC	6#AgC	7#AgC	8#AgC
Wires						
Strips				√	√	√
Tips	√	√	√	√	√	√
Bimetal Strips						
Rivets						
Graphite Fibre Type	⊥	⊥	⊥	//	//	//
Remark	6#、7#、8#AgC strips or tips could have a brazing material (like BAg15CuP) layer on the brazing side.					