

Industrial & Precious Metals Limited

Data sheet RS Series AgW

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Silver Tungsten Materials

RS Series

Technical Data

Grade *	Nominal Composition	Density (gm/cm ³)	Electrical Conductivity (m.Ω/mm ²)	Hardness (HV)
IPM RS 20S	Ag27%/W73%	15.6	43% IACS	220
IPM RS 30S	Ag30%/W70%	14.9	31	180
IPM RS 35S	Ag35%/W65%	14.4	32	140
IPM RS 50S	Ag50%/W50%	13.2	38	115
IPM RS 60S	Ag60%/W40%	12.5	41	95

* Other grades may be available - please ask.

Application

Typical : Circuit Breakers : ACB/MCCB, Earth Leakage Breakers (RCCB), Miniature Circuit Breakers (MCB)

Comments

Produced by sintering and infiltration the IPM RS Series are the most commonly used of the Tungsten based materials, mainly used in MCB and DC Contactors. The material has the lowest arc erosion of all contact materials and high welding resistance with relatively low electrical conductivity.

Forms of Supply:

Although the manufacturing route is similar to the IPM RG Series, the material is easier to press therefore there are less limitations on sizes/designs of contact available - please refer to us with your design.

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www.industrialpreciousmetals.co.uk