

Technical Data Sheet

SILVER

Principal uses	Photographic industry	Batteries
	Electric and electronic industry	Coins
	Jewellery	Catalysts in chemical industry

Physical data	Crystal structure	Face-centred cubic	
	Crystallographic parameters	4.077	Å
	Atomic number	47	
	Atomic weight	107.88	
	Density (20°C)	10.49	g/cm ³
	Atoms/cm ³	5.85 x 10 ²²	
	Melting point	960.8	°C
	Boiling point	2210	°C
	Specific heat (25°C)	0.226	J/(g.K)
	Latent heat of fusion	0.111	J/g
	Latent heat of vaporisation	2.326	J/g
	Linear thermal expansion coefficient (25°C)	19.1 x 10 ⁻⁶	K ⁻¹
	Electrical conductivity referred to standard copper	108.4	%
	Electrical resistivity (20°C)	1.6 x 10 ⁻⁶	Ω.cm
	Magnetic susceptibility (17°C)	-19.5 x 10 ⁻⁶	cgs
	Thermal conductivity (25°C)	4.270	W/(cm.K)

Grade & Typical Analysis	Grade: silver 99.9+% conform ASTM B 413-97a		Grade: silver 99.99% conform ASTM B 413-97a	
	Element	Max. content (ppm)	Element	Max. content (ppm)
	Bi	10	Bi	5
	Cu	800	Cu	100
	Fe	20	Fe	10
	Pb	250	Pb	10
			Pd	10
		Se	5	
		Te	5	
		Total impurities:	100	
		Total impurities:	1000	

Shapes			
a) Ingots	Weight:	600 and 800 troz ($\pm 10\%$)	
	Average dimensions:	Top	320 x 130 mm
		Bottom	290 x 90 mm
		Thickness	90 mm
All ingots are marked with weight, identification number and brand "HOBOKEN 999+".			
b) Granules	Diameter:	Maximum 15 mm	
Packing			
a) Ingots	40 ingots steel bound on Europallet		
b) Granules	Max. 40 bags of 25 kg on Europallet		
	Max. 1 bag of 1000 kg on Europallet		
	Max. 2 bags of 450 kg or 500 kg on Europallet		
		dimensions (outside) box [mm]	dimensions (inside) box [mm]
	Max. 2 bags of 25 kg in no-nail box	500x350x175	480x330x110
	Max. 4 bags of 25 kg in no-nail box	500x320x250	480x300x190