

Ag925 SILVER

GENERAL INFORMATION

SILVER IS WIDELY USED IN JEWELRY, BECAUSE OF ITS BRIGHTNESS WHEN POLISHED, DUCTILITY AND MALLEABILITY. FINEST STRUCTURES AND CHAINS CAN BE MADE OF SILVER. THIS MATERIAL ALSO FEATURES THE HIGHEST THERMAL AND ELECTRICAL CONDUCTIVITY AMONG ALL METALS, AND BECAUSE OF THAT IT'S USED ALSO IN OTHER FIELDS, LIKE ELECTRONICS AND MECHANICS.

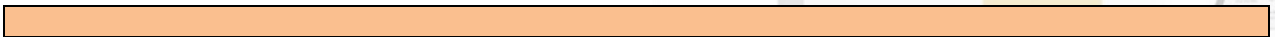
DENSITY 10.49 KG/DM³



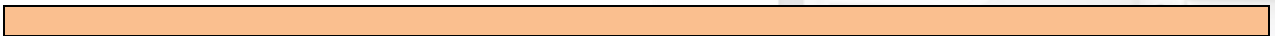
BIO-COMPATIBILITY Low



MACHINABILITY EXCELLENT



WELDABILITY EXCELLENT



CORROSION RESISTANCE VERY GOOD



CHEMICAL COMPOSITION (ACCORDING TO SUPPLIER)

AG	93.4 %
CU	4 %
NI	0.002 %
AL	< 0.002 %
SB	< 0.002 %
CD	< 0.002 %
GA	< 0.002 %
PB	< 0.002 %
SN	0.002 %
ZN	0.02 %
O	0.003 %
C	< 0.005 %

MECHANICAL PROPERTIES

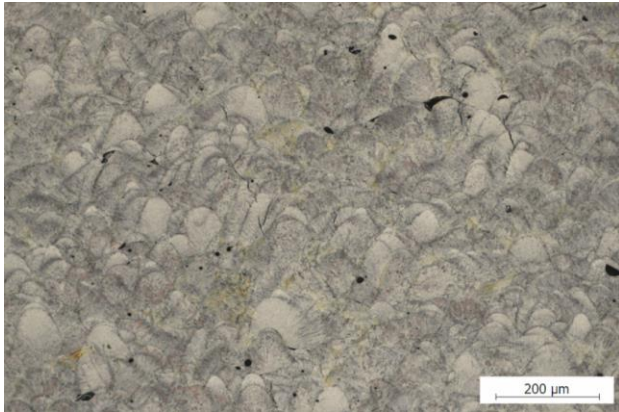
HARDNESS ¹	372 HV
RELATIVE DENSITY	OVER 99.97 %

¹ MEASURED ACCORDING TO ASTM E10-15

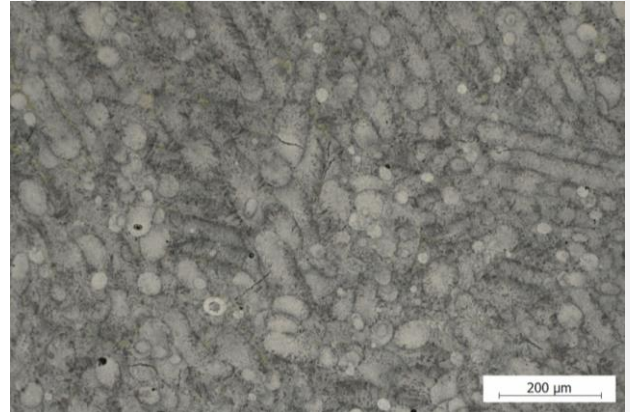
SURFACE QUALITY

RA	19.5 μM
RZ	101 μM

MEASURED IN COMPLIANCE WITH ISO 4287-1997. RESULTS STRONGLY DEPEND ON SAMPLE GEOMETRICAL COMPLEXITY AND ORIENTATION

MICROSTRUCTURE (ACCORDING TO ASTM E112)

MAGNIFICATION: 75X



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NOTES

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