

Technical Data Sheet



Product : Aluminum Silicon Wire

Mechanical Properties:

Wire diameter (mil)	Tensile Strength (gms)	Elongation (%)
1.0	14~16	1~4
1.2	16~18	1~4
1.25	19~21	1~4
1.5	20~30	1~6
2.0	45~55	1~7
3.0	50 Min	1~5

Note: The above is the general specification, actual may differ. Other specifications may be available.

Chemical Composition:

Item	Amount	Item	Amount
Aluminum	98.96% min.	Silicon (Si)	1.0% max.
Nickel (Ni)	< 50ppm		
Boron (B)	< 50ppm		

Total impurity elements : No single impurity shall exceed 0.0050% and the total of all detectable impurities shall not exceed 0.01%.

Physical Properties:

Property	Amount	Property	Amount
Density	2.7g/cm ³	Thermal Conductivity @20°C	195W/m-K
Melting Point	620°C		
Electrical Resistivity @20°C	2.7e-006 ohms/cm		
Electrical Conductivity @20°C	64 (%IACS)		

Shelf Live vacuum packed: 1 year (Stored @18⁰C ~28⁰C, 65%Rh max.)

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