

GM 701

COPPER-TIN FILLER METAL FOR WELDING COPPER BASE ALLOYS

IDENTIFICATION

GM 701, ER CuSn-A

CLASSIFICATION

AWS / SFA 5.7: ERCuSn-A, DIN 1733: SG-CuSn6

DESCRIPTION

Tin-bronze wire with good resistance against corrosion and overheating. GM 701 is easily machinable and the weld pool is clean and allows good visibility. The weld metal is tough and free of porosity.

CHEMICAL ANALYSIS (RANGE) %

Sn	Al	Pb	P	Cu
4.0 - 6.0	0.01 max	0.02 max	0.10 - 0.35	Balance

MECHANICAL PROPERTIES (RANGE)

UTS (MPa)	Electrical Conductivity	Thermal Conductivity
330 approx	9 Sm/mm ²	75 W/m.k.

TYPICAL APPLICATIONS

- For welding copper base metals such as copper, tin bronzes.
- Especially suited for welded joints between brasses or between brass and other copper base alloys, ferrous metals and cast irons.
- Surfacing welds on bearing bushes, skid rails.
- Tin bronze work pieces of more than 8 mm thickness should be preheated.
- Suitable for Wnr.2.1010, 2.1016, 2.1020, 2.1030, 2.1050, 2.1052, 2.1056, 2.1080, 2.1086, 2.1090, 2.1096

PACKING PARAMETERS

Size (mm)	Weight / Spool (kg)
1.2	12.5
1.6	12.5
2	12.5
2.40 / 2.50	12.5