

# COPPERFIL CUSI3

## TOP FEATURES

- This wire is frequently used for joining in artistic foundries, for welding galvanized sheets and even as a steel cladding.
- It is also suitable for surfaces subject to corrosion.
- Used also for MIG brazing where a very small active component is suggested in the shielding gas.

## TYPICAL APPLICATIONS

- Cladding
- Brazing
- Automotive

## CLASSIFICATION

AWS A5.7 ER CuSi-A  
EN ISO 24373-A S Cu 6560 (CuSi3Mn1)

## SHIELDING GASES (ACC. EN ISO 14175)

I1 Inert gas Ar (100%)  
I3 Inert gas Ar+ 0.5-95% He

## CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

Mn	Si	Cu	Fe	Al.
1.1	3.4	Rest	0.2	0.01

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20°C	Hardness (HB)
Typical values	I1	AW	>100	>345	≥40	>50	80-90

\* AW = As welded

## PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	DRUM	200.0	W000283276

### TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing.  
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