

3Dprint AM Cu 6328

WAAM solid wire, aluminium bronze

Material Type

UNS C63280	Cu 6328	2.0923
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Characteristics

WAAM Al-Ni bronze wire like CuAl9Ni5Fe3Mn2 type designed for 3D-printing processes. This alloy is resistant to seawater and cavitation resistant.

Typical analysis of the solid wire (wt.-%)

	Mn	Ni	Fe	Al	Cu
wt.-%	1.0	4.5	3.5	9.0	Bal.

Available products

Diameter: 1,2 mm
 Package: BS300 – Drum – S760 300
 Other diameters and packages on request.

Typical mechanical properties acc.to EN ISO 15792-1

Heat treatment	Yield strength R _{p0.2}	Tensile strength R _m	Elongation (L ₀ =5d ₀)
	MPa	MPa	%
u	390	680	15
u untreated, shielding gas 100 % Ar			

Classification as welding consumable:

EN ISO 24373	AWS A5.7
S Cu 6328 (CuAl9Ni5Fe3Mn2)	ER CuNiAl