

## Material Type

Al 2219

## Characteristics

WAAM aluminium wire ER2319 type designed for 3D-printing processes.  
This alloy offers higher strength and ductility after post print heat treatment.

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

	Mg	Mn	Cu	Zr	Ti	Al
wt.-%	< 0.02	0.35	6.3	0.18	0.14	Bal.

## Available products

Diameter: 1,0 mm – 1,2 mm  
Package: S300 7 kg – Drum  
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	%
As welded	250	280	15
hardened	350	450	10

Classification as welding consumable:

EN ISO 18273-A	AWS A5.10
S Al 2319 (AlCu6MnZrTi)	ER2319