

Zinc-Copper-Titanium Wire - Thermal Spray Material

Manufactured from zinc as per EN 1179

Z42**Material:**

Zinacor Zinc-Copper-Titanium wires **Z42** are manufactured from high-purity electrolytic Zinc 99,995 % as per EN 1179. They are suitable for flame and arc spraying.

Chemical composition:

Zn	> 99	%
Cu	0,4 - 0,5	%
Ti	0,09 - 0,12	%

Other elements:

Pb	≤0,003	%
Cd	≤0,003	%
Sn	≤0,001	%
Fe	≤0,004	%
Al	≤0,003	%

Mechanical / Physical Properties:

Tensile strength Rm	150 - 200 ^{*)}	Mpa
Yield point Rp _{0,2}	110 - 160 ^{*)}	MPa
Elongation A _{100mm}	min. 60 ^{*)}	%
Density	~ 7,14	g/cm ³
Melting point	~ 419	°C

^{*)}typical measured value/depends on the diameter

Diameter / Tolerance:

All standard dimensions for standard metal spray guns are available in diameters of 2,0 - 4,76 mm. The diameter tolerance is (depending on nominal diameter wire) +0 / -0,06 to -0,07 mm. (other diameters on request)

Packing:

- Endless in fibre drums
- Endless in metal drums
- Coils
- Spools

The measurements provided are based on our own measurements; they do not represent any guarantee of the properties. There are no delivery specifications.

Certified Management system according to:

DIN EN ISO 9001
DIN EN ISO 14001



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Rev.04/15