

## WIRBALIT® G

CuCr1Zr - 2.1293 - CW106C

Nominal composition:

G - wt.-% (approx. value) Cr0,65 - Zr0,12 - Cu rem.

Age-hardened electrode material for bending applications.

Tensile strength Rm	MPa	≥ 420
Yield strength Rp0,2	MPa	≥ 350
Elongation A	%	≥ 16
Reduction of Area Z	%	≥ 50
Hardness HBW 2,5/62,5		≥ 130
Hardness HV30		≥ 135
Hardness HRB		≥ 69
El. conductivity	MS/m	≥ 45
El. conductivity	% IACS	≥ 78

### Rods/Tubes

Dimensions: Rods and tubes ≥ 50 mm Ø

(smaller diameters for bending: see WIRBALIT® HF/N.)

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Nominal composition:

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		R 370	R 440	R 490
Tensile strength Rm	MPa	≥ 370	≥ 440	≥ 490
Yield strength Rp0,2	MPa	≥ 270	≥ 390	≥ 450
Elongation A	%	≥ 18	≥ 10	≥ 10
Reduction of Area Z	%	≥ 40	≥ 40	-
Hardness HBW 2,5/62,5		≥ 120	≥ 135	≥ 150
Hardness HV30		≥ 125	≥ 140	≥ 155
Hardness HRB		≥ 66	≥ 71	≥ 77
El. conductivity	MS/m	≥ 45	≥ 45	≥ 44
El. conductivity	% IACS	≥ 78	≥ 78	≥ 76

### Strip/Sheet/Plate

#### Strip of WIRBALIT® G

Thickness (mm)	Tempers
≥ 0,1 - < 2,5	R 440, R490

#### Sheet and plate of WIRBALIT® G

Thickness (mm)	Tempers
≥ 2,5 - < 4,0	R 440, R 490
≥ 4,0 - < 10	R 440
≥ 10 - < 60	R 370, R 440
≥ 60 - < 100	R 370

*Further sizes and special grades on request.*