Anchor Wire CuZn37 (Ms63)

Material based on a CuZn – alloy for anchor wire

Norms

CEN/TS 13388	: CuZn37 CW508L
EN 12166	: CuZn37 CW508L
ASTM	: UNS C27000

Composition (weight %)

Cu	: 62,0 – 64,0
Zn	: balance
Others	: max. 0,5

Physical properties

Density (20°C)	kg/dm^3	: 8,4
Melting range	° C	: 902 - 920
Modulus of elasticity	kN/mm^2	: 110
Thermal conductivity	W/m· K	: 121
Coefficient of linear expansion (20°C-300°C)	1/ K	: 20,2 $x \cdot 10^{-6}$
Conductvity	$m/\Omega \cdot mm^2$	: 14,5 – 15,5
Resistivity	$\Omega \cdot mm^2/m$	: 0,0645 – 0,0690

Surface

Bright

Profiles

Round profile
Flat profile (ungrooved / single-sided grooved / double-sided grooved)

Make up

Available in spools

Materials used in contact with foodstuff

The requirements of “Technical Guide on Metals and alloys used in food contact materials, CoE (2013)” are fulfilled.

Migrations tests have been made according to following standards:

- DIN EN 13130-1:
  Guide to test methods of material and articles in contact with foodstuff
- DIN EN ISO 17294-2, DIN EN ISO 11885 (E22) + DIN EN ISO 17852 (E 35):
  Methods for determination of chemical elements

The tests showed that migration of following chemical elements were below the limits of determination:

Aluminium, Anitmony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Managnese, Mercuri, Molybdenum, Nickel, Silver, Thalium, Tin, Titanium, Vanadium, Zinc.

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