

# DATA SHEET

Version: 01. June 2018



## Brass foil

- CuZn37
- Cu 63%, remainder Zn
- Complies with IPC 4562
- Excellent extensibility
- Highly resistant to water, neutral/alkaline salt solutions, organic compounds, land, marine and industrial environments

## Applications

- ▶ Ideal surface for printed circuit boards
- ▶ For the production of electronic components, e.g. computer components

## Technical data

### Physical properties (reference values at room temperature)

Electrical conductivity:	MS/m %IACS	15 26
Thermal conductivity:	W/(m*K)	120
Temperature coefficient of electrical resistance (0-300°C):	10 <sup>-3</sup> /K	1.7
Coefficient of thermal expansion (0-300°C):	10 <sup>-6</sup> /K	20.2
Density:	g/cm <sup>3</sup>	8.44
Elastic modulus:	GPa	110
Specific heat:	J/(g*K)	0.377
Poisson's ratio:		0.34

### Mechanical properties

Tensile strength R <sub>m</sub> :	MPa	300-440
0.2% yield strength R <sub>p0.2</sub> :	MPa	170-180
Elongation at break A <sub>50mm</sub> :	%	>19
Hardness HV:		55-95
Grain size:	mm	ca. 0.015-0.030

## Delivery

Cut sheets, tapes and punched parts, depending on the customer's requirements.  
Self-adhesive version also available, e.g. with electrically conductive adhesive coating.

The above values are intended as a guide or have been obtained under laboratory conditions and do not constitute any guarantee of product properties. We recommend carrying out preliminary tests to check that our products are suitable for use with other products. Under our General Terms and Conditions, we guarantee consistently high product quality, but due to the many possible applications we cannot accept any liability for specific results in practical applications. This data sheet supersedes any previous versions.