


International Standards		
International Standards	Symbol	Number
DIN EN 1172: 2012-02	CuSn4	CW450K
UNS*	C 51100	*Unifield Numbering System (USA)

Chemical composition in %		
Element	min.	max.
Cu	Rest	-
Sn	3.50	4.50

Technical Data: Thickness 0.70 - 1.00 mm	
applicable width range	500 mm - 670 mm
width tolerance	0 / + 2 mm
length tolerance for sheets	0 / + 10 mm
thickness tolerance	+/- 0.02 mm
longitudinal edge straightness tolerance - sheets up to 3000 mm - strips	up to 1 mm per 1000 mm, max. 3 mm for 3000 mm gauge length up to 1 mm per 1000 mm, max. 5 mm for 5000 mm gauge length
flatness (transverse to rolling direction)	< 0.2 % of strip width
Tensile strength (R _m)	290 - 390 N/mm ²
Proof Strength (R _{p0.2})	max. 190 N/mm ²
Elongation (A50)	≥ 40 %
hardness HV	70 - 100

Availability	
coil inside diameter Ø - big coil	500 mm, 600 mm
sheets	on request
surface	reddish mill finish
temporary protective plastic film	foliation on one side
product application	construction
Environmental Product Declaration	ISO 14025
 CE-marked according to EN 14783 and EU directive 89 / 106 / Eec (CPD) - more information on www.kme.com/ce	

Physical Properties	
density	8.85 g/cm ³
coefficient of expansion	1.7 mm/m Δ T 100 K
modulus of elasticity at 20° C	120 kN/mm ²

To be read in conjunction with KME document "Important instructions for Storage, Application and Processing of TECU® Bronze".

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The technical information contained herein is correct and corresponds to the state-of-art at the time of printing.

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