

International Standards		
International Standards	Symbol	Number
DIN EN 1172: 2012-02	CuAl5Zn5Sn1	CW309G

Chemical composition in %		
Element	min.	max.
Cu	Rest	-
Al	4.00	6.00
Fe	0.15	-
P	-	0.05
Sn	0.30	1.50
Zn	4.00	6.00

Technical Data: Thickness 0.50 - 1.00 mm	
applicable width range	500 mm - 1000 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 <sub>m</sub> )	min. 400 N/mm <sup>2</sup>
Proof Strength (R <sub>p0.2</sub> )	min. 170 N/mm <sup>2</sup>
Elongation (A50)	≥ 45 %
hardness HV	min. 80

Availability	
coil inside diameter Ø - big coil	500 mm, 600 mm
sheets	on request
surface	yellowish mill finish
temporary protective plastic film	foliation on one side
product application	construction
Environmental Product Declaration	ISO 14025

Physical Properties	
density	8.18 g/cm <sup>3</sup>
coefficient of expansion	1.7 mm/m Δ T 100 K
modulus of elasticity at 20° C	113 kN/mm <sup>2</sup>

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

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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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