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## Cu-ETP, Cu-PHC tinned

Tinning copper improves the solderability and the resistance towards corrosion. The process of tinning by roll cladding (joint rolling of copper with tin foils) makes tinning without flux agents possible and can also be done with various tin alloys. Roll cladding provides an excellent connection between the layers of the composite. The subsequent cold rolling of the composite to the desired thickness leads to a consistent tin layer over width and length of the strip. Both single- and double-sided tinning is possible with roll cladding.

CORE MATERIA	ORE MATERIAL Cu-ETP only for R200		Cu-F	PHC only for R360	
TIN SOLDER	R MELTING POINT of TIN L		AYER	ROHS-COMPLIANT	
· Sn96,8Sb1,6Zn1 (Sn96,8)	,6Pb0,2	232 °C			
· Sn100 232 °C			✓		
· Sn96,5Ag3,5 221 °C			✓		
· Sn62Pb36Ag2 179 °C					
· S n60Pb40 183 – 19			0 °C		
· Sn96,5Ag3Cu0,5		217 – 220 °C		✓	
· Sn97,5Cu2,25Ag0,25		226 – 23	2 °C	✓	
DELIVERY FORMS		THICKNESS		WIDTH	
Rolls, spools		0,01 - 0,4 mm		0,6 - 320 mm (others on request)	
	s of thickness and widtl sions, please contact ou				
TINNING PROCESS		TYPE	LAYER THICKNESS/S		
roll clad flux free, edges not tinned		<ul><li>single side</li><li>both sides</li></ul>	4 %; 5,6 %; 10 % and 13	• regular rolled finish • reflow	
Roll clad and hot dipped tinned <sup>1</sup> flux-free, edges not tinned		· both sides	4 %	· reflow	
<sup>1</sup> roll clad and hot thickness 0,05 m		l with Sn96,8 and sub	l esequently hot dip tinned w	vith Sn60Pb40 is valid only for foils with	
TYDIOAL TEXTS					
TYPICAL TEMPER VALUES (information only)  Tensile strength Rm in MPa		Waldatasaatta Da 1 A			
	i ensile streng	ın km in MPa	Yield strength Rpo,2 in M	Pa Elongation in % Lo = 100 mm	
D202	-			10	
R200 R360	≤ <b>2</b> ≥ 3		≤ 100 ≥ 320	> 10 < 5	

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The values in the table are only valid for thicknesses > 0,1 mm

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