High quality electrodeposited copper foil

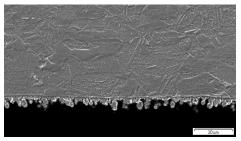


Dațașheet preliminary

400 µm treated RA copper foil

Technical Characteristics

400 μm RA copper foil with arsenic free and zinc free very low profile copper treatment.



Cross section 400 µm Treated side

Typical average properties*

400 µm treated RA copper foil			
MEASURED PARAMETERS		UNITS	VALUES
Copper Type		-	RA copper foil: Cu-OF / CW008A / C10200
Area Weight		g/m²	3480 ± 10 %
Calculated Thickness		μm	390 ± 10 %
Purity		%	≥ 99.9
Density		g/cm³	8.92 - 8.94
Specific Heat		J/(kg⋅K)	385
Hardness		HV	70 - 95
Tensile Strength at RT		N/mm²	250 - 350
Elongation at RT		%	≥ 12
Yield strength at RT		N/mm²	180 - 280
Resistivity (mass)		Ω·g/m²	≤ 0.1532
Resistivity (vol)		Ω·mm²/m	≤ 0.0171
Thermal conductivity		W/K∙m	390
Treated Side Roughness	Ra		0.5 - 0.9
	Rq	μm	0.7 - 1.1
	Rz(ISO)		≤ 5.1
Not Treated Side Roughness	Ra		0.1 - 0.2
	Rq		0.1 - 0.3
	Rz(ISO)		1.0 - 1.4
Peel Strength (RT) FR4/17		N/mm (Lb/in)	≥ 2.0 (≥ 11.4)
High Temp. Tarnish Resistance (not treated side)		-	30 min @ 200 °C in air: pass
Solderability		-	Complies with IPC specification
Unique sheet size (L x T)			1270 x 1100
Treated surface size (typically)			1270 x 1060

 ${\it l}^{\eta}$ Laminate construction with thickness \geq 0.5 mm and copper aft. down-etching to 30 - 50 μm

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* All of this Technical Information has been determined with due care and thoroughness. However, because the conditions of use and process and application technologies employed can substantially vary, the provided data and figures can only serve as non-binding guidelines. They do not constitute a guarantee that the purchased item will possess certain attributes. For this reason, no liability whatsoever can be assumed for them. The buyer is obliged to check the suitability of all supplied products.

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