

Technical Data Sheet of Tin Plated Copper Busbar

The Tin Plated Copper Flat Bars or Bus Bars that Emirates National Copper Factory LLC ,UAE manufacturing in accordance with the requirements of BS EN 13601:2021/ASTM B187/187M-20 specifications.

Tin Plated Copper Flat Bars or Bus Bars properties are as below

Sl. No	Description	Requirements	Emirates National Copper Factory Manufacturing
1	Copper Purity	Minimum 99.90%	>99.99%
2	Temper	Semi Hard/Half Hard/Full Hard	As per BS EN13601:2021-Table-3 /ASTM B187/187M-20-Table – 2/ /JIS H3140 OR As Per Customer Requirements
3	Dimensions Tolerance	BS EN13601/ASTM B187/JIS H3140	As per BS EN13601:2021-Table 6/ASTM B187/187M-20-Table 4 & 6/JIS H3140 OR As Per Customer Requirements
4	Corners	Sharp Corners/Rounded Corners/Full Round	As per BS EN 13601:2021-Table 8 Radii of Rounded Coroners. Full Round Corners -1/2 x thickness of the bar OR As Per Customer Requirement's.
5	Tensile Strength	Minimum 250Mpa	>260 MPa
6	Elongation	Minimum 12%	>12%
8	Conductivity	Minimum 98.3%IACS	> 98.5 %IACS
9	Bend Test	No Crack	No Cracks over 1X & 2X Thickness Mandrel
10	Density	8.89g/cm3	8.89g/cm3
11	Tin Plating	3 to 5 Microns	Average 5 Microns

Authorized Signatory

For Emirates National Copper factory L.L.C.