



Technical data on NE and XE products

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General Properties

LB09-50-09XX

XX: ED copper (NE / XE)

| Grade | | LB09-50-09NE | LB09-50-09XE |
|---|-------|--------------|--------------|
| Lot No. | | AN8130-11S | AN8212-11S |
| Thickness | Total | 66 | 69 |
| | LCP | 50 | 50 |
| Peel strength [kN/m] | MD | 0.6 | 0.5 |
| | TD | 0.7 | 0.6 |
| Dimensional stability after etching [%] | MD | 0.09 | 0.05 |
| | TD | 0.04 | 0.02 |

The difference in the properties is small.

Reference: Copper Foil Properties

Copper Foil thickness : 12um

| Typical Property | | | unit | XE | NE |
|------------------|------------|----|------------------|------------|------------|
| Tensile Strength | | | N/m ² | 331 | 570 |
| Elongation | | | % | 5.9 | 6.7 |
| Roughness | Shiny side | Ra | um | 0.3 | 0.2 |
| | Matte side | Rz | um | 2.0 | 1.8 |
| Young's Modulus | | | GPa | 50 | 47 |