



MATERIAL TECHNICAL DATA SHEET

1. Material Designation

Material Name **Cupral4**
Symbol **CuAl13Fe3**
Number -
Reference Specification © FM

2. Bileşim %

| Element | Cu | Al | Fe | Mn | | | | | | | Density g/cm ³ , approx. |
|--------------|-------|------|-----|----|--|--|--|--|--|--|---|
| min. % | Kalan | 12,5 | 3,5 | - | | | | | | | 7,25 |
| max. % | - | 13,5 | 5 | 2 | | | | | | | |
| nominal %(*) | Kalan | 13 | 4,5 | 2 | | | | | | | |

3. Mechanical Properties

| Specification | Material condition | Conductivity (%IACS) min. | Hardness (HB30) min. | Tensile strength, Rm (N/mm ²) min. | 0,2% Proof strength, Rp0,2 (N/mm ²) min. | Elongation A % min. |
|---------------|--------------------|---------------------------------|----------------------------|--|---|------------------------|
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(*) Fine Metal nominal casting values

(**) Fine Metal nominal production values