

# CuZn35Ni3Mn2AlPb CW710R



## Chemical Composition (%)

|    |             |
|----|-------------|
| Cu | 58,0 - 60,0 |
| Pb | 0,20 - 0,80 |
| Zn | Remainder   |
| Al | 0,03 - 1,30 |
| Fe | ≤ 0,50      |
| Ni | 2,0 - 3,0   |
| Mn | 1,50 - 2,50 |
| Sn | ≤ 0,50      |

## Profile Specifications

|           |           |
|-----------|-----------|
| Round     | 3 - 80 mm |
| Square    | 5 - 60 mm |
| Hexagonal | 6 - 40 mm |
| Profile   | 3 - 60 mm |

## Mechanical Properties ( Soft - Hard )

|                                       |           |
|---------------------------------------|-----------|
| Tensile Strength (N/mm <sup>2</sup> ) | 450 - 650 |
| Yield Strength (N/mm <sup>2</sup> )   | 220 - 500 |
| Elongation (%)                        | 50 - 10   |
| Hardness (HV)                         | 95 - 200  |

## Physical Properties

| Density<br>(g/cm <sup>3</sup> ) | Electrical Conductivity |       | Thermal<br>Conductivity<br>(W/mK) | Modulus of Elasticity<br>(kN/m <sup>2</sup> ) |
|---------------------------------|-------------------------|-------|-----------------------------------|---|
|                                 | MS/m                    | %IACS |                                   |   |
| 8,28                            | 5,9                     | 10    | 50                                | 93  |

This data sheet is a general technical product information and has no legal warranty. Binding technical features are subjected to the contract.

