



## MATERIAL TECHNICAL DATA SHEET

### 1. Material Designation

Material Name **CuproNSS**  
Symbol **CuNi2SiCr**  
Number -  
Reference Specification: © FM

### 2. Composition %

Element	Cu	Ni	Si	Cr	Zr	Fe	Mn	Pb	Other	Density g/cm <sup>3</sup> , approx.
min. %	Rest	1,6	0,4	0,35	0,20	-	-	-	-	8,9
max. %	-	2,5	0,8	0,45	0,27	0,2	0,1	0,02	0,3	
nominal %(*)	Rest	2,55	0,75	0,37	0,25	-	-	-	-	

### 3. Mechanical Properties

Specification	Material condition	Conductivity (%IACS) min.	Hardness (HB30) min.	Tensile strength, Rm (N/mm <sup>2</sup> ) min.	0,2% Proof strength, Rp0,2 (N/mm <sup>2</sup> ) min.	Elongation A % min.
© FM (**)		38	180	-	-	-

(\*) Fine Metal nominal casting values

(\*\*) Fine Metal nominal production values