

COPPER ALLOY

JM 4

CuSn7Pb15-C



COMPOSITION

Densitet 9,1

Edition 3

	Composition %										
	Cu ¹	Pb	Sn	Ni ¹	Al	Fe	Mn	P	Sb	Si	Zn
Nom	76	15	8	1							
Min	Bal	13,0	7,0	0,5							
Max	Bal	17,0	9,0	2,0	0,01	0,25	0,2	0,10	0,5	0,01	2,0

1) Including Ni

MECHANICAL PROPERTIES

			Sandcast	Centrifugally- & continuously cast
			JM4-03	JM4-15
Rp0,2	Proof strength	N/mm ²	>=80	>=80
Rm	Tensile strength	N/mm ²	>=160	>=180
A5	Elongation	%	>=8	>=8
HB	Hardness	10/1000	>=50	>=60
E	Young's modulus	N/mm ²	75 000	75 000
	Coeff. of thermal expansion	X10 ⁻⁶ ,0-100°C	18,0	18,0
	Thermal conductivity	W/m °C	45	45
	Resistivity	nΩm,20°C	130	130
	Machinability		Excellent	Excellent
<p>Values given refer to separately cast test specimen to SIS 112152 or specimen cut from centrifugal- or continuous castings with a wall thickness corresponding to the test specimen diameter.</p>				
Nearest equivalent standards				
Swedish standard		SS-EN 1982	CC496K-GS	CC496K-GC/GZ
European standard		EN 1982	CC496K-GS	CC496K-GC/GZ
US standard		UNS	C 93800	C 93800
British standard (old)		BS	1400 LB1	1400 LB1
German standard (old)		DIN	1716, G-CuPb15Sn	1705, GZ/GC-CuPb15Sn