

名称: 白铜

分类号: SCu7158

Name: White copper/Copper-nickel alloy

Classification No.: SCu7158

应用范围:

Applied range:

耐海水腐蚀性良好, 用于铜镍合金的焊接和堆焊, 如化工设备、海水淡化、海洋结构、造船、石油精炼及食品工业。
Good seawater corrosion resistance and used for copper-nickel alloy welding and surfacing welding, such as chemical equipment, seawater desalination, marine structure, shipbuilding, oil refining, and food industry.

物理性能及机械性能 Physical and mechanical properties

固相线 Solidus curve	1100℃	密度 Density	8.9kg/dm³	延伸率 Elongation	34%
液相线 Liquidus	1145℃	抗拉强度 Tensile strength	300N/mm²	布氏硬度 Brinell Hardness	80HB

化学成分(%) Chemical composition

执行标准 Execution standard	分类号 Classification	合金号 Alloy No.	Cu	Fe	Mn	Ni	P	Pb	Si	C	Ti	S	其他元素总量 Other elements
GB/T9460	SCu7061	CuNi10	bal.	0.5-2.0	0.5-1.5	9.0-11.0	max	max	max		0.1-0.5	max	max
							0.02	0.02	0.2			0.01	0.4
BS EN14640	Cu7061	CuNi10	bal.	0.5-2.0	0.5-1.5	9.0-11.0	0.02	0.02	0.2	0.05	0.1-0.5	0.02	0.4
DIN 1733		SG-CuNi10Fe	bal.	1.0-2.0	0.5-1.5	9.0-11.0	max	max	max	max	0.2-0.5	max	max
							0.02	0.02	0.2			0.015	0.4