

High-Performance Brass Strip

—for heat-exchanger tubing

GH65F—a patent brass strip material, has high performance of price ratio, high strength, high corrosion-resistance, welding, processing and forming. It is suitable for seam tubulation and high frequency welding tubulation. It substitutes traditional brass strips H90 (C2200) and H85 (C2300) and is used to make high quality, long life and low cost radiator tube.



Chemical Composition (w) %

GH65F	Cu	Sn	Fe	Pb	Zn
	64.0~67.0	0.01~0.08	0.05max.	0.03max.	Re.

Physical Properties

Density	g/cm ³	8.5
Electrical conductivity (20℃)	%IACS	25
Thermal conductivity (20℃)	W/(m·℃)	120
Coefficient of thermal expansion (20-300℃)	10 ⁻⁶ /℃	20.2
Specific heat capacity (20℃)	J/(g·℃)	0.38
Modulus of elasticity	GPa (KN/mm ²)	112

Mechanical Properties

Temper			Tensile strength	Elongation	Hardness
GB	ASTM	JIS	Rm MPa (N/mm ²)	A _{50mm} %	HV*
H01(1/4 Hard)	H01	1/4H	370~445	≥15	100~127
H02(1/2 Hard)	H02	1/2H	385~470	≥10	118~148
H04 (Hard)	H04	H	440~510	≥8	140~170
Notes: The technical datas in this table is recommended. If the customers have special requirements,perform according to the customer requirements. *only for information.					

Thickness and Width Tolerances

Thickness	Thickness Tolerance	Width	Width Tolerance	
			w < 45	w ≥ 45
0.10~0.18	±0.005	20~100	±0.08	±0.13
Notes: If the customers have special requirements, perform according to the customer requirements.				

Other Datas

Camber	mm/m	1.0 max.
Coil ID. (nominal size)	mm	Φ76 / Φ100 / Φ120 / Φ300
Coil OD.	mm	Φ1150 max. (on request)
Coil mass per width	Kg/mm	8.0 max.
Packing type		Wooden box

Considering for customers wholeheartedly, providing high quality products for customers wholeheartedly and creating benefit for customers wholeheartedly !

