

Brass

Ms70b (C26000)

Material Designation*

UNS	C26000
EN	CuZn30 (CW 505 L)
JIS	C2600
GB	H70

Chemical Composition

Cu	68.5-71.5	%
Zn	Balance	%



Characteristics

It has high mechanical properties, good processing performance. It is suitable for cold forging and other processing.

Typical Applications

It is suitable for all kinds of deep drawing and bending manufacturing of stressed parts, radiator shell, duct, bellows, gasket, paper mesh, etc.

Physical Properties

Density ^①	8.53	g/cm ³
Electrical conductivity ^①	28	% IACS
Thermal conductivity ^①	121.2	W/(m·K)
Coefficient of thermal expansion ^②	19.2	10 ⁻⁶ /K
Modulus of elasticity	114	GPa

Note^①: Temperature for testing is 20°C.

Note^②: Temperature range for testing is 20-300°C.

Fabrication Properties

Cold workability	Excellent
Hot workability	Fair
Brazing	Excellent
Machinability Compared with C36000	30%

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Mechanical Properties

Diameter	Temper	Tensile Strength	Yield Strength	Elongation
mm		MPa min.	MPa min.	% min.
3 < Φ ≤ 12	H02	375	250	10
12 < Φ ≤ 18	H02	350	230	14
25 < Φ ≤ 50	H02	--	--	--
50 < Φ ≤ 80	H02	--	--	--
3 < Φ ≤ 12	H04	590	450	--
12 < Φ ≤ 18	H04	490	360	--
25 < Φ ≤ 50	H04	--	--	--

Tolerance and Delivery Form

Diameter	Standard coil weights	Tolerance ^③	Coil ID
mm	kg	mm	mm
0.1 < Φ ≤ 0.3	1-5	0.01	Spool packing
0.5 < Φ ≤ 0.8	5-12	0.01	160-200
0.8 < Φ ≤ 1.1	15-25	0.02	270-300
1.1 < Φ ≤ 1.6	18-30	0.02	260-300
1.6 < Φ ≤ 2.5	25-40	0.03	320-350
2.5 < Φ ≤ 4.0	30-45	0.03	370-400
4.0 < Φ ≤ 6.5	45-60	0.04	370-400
6.5 < Φ ≤ 10.0	200-400	0.04	1000-1200
8.0 < Φ ≤ 12.0	200-400	0.05	1200-1400

Note^③: The tolerances listed in the table are specified as all plus or all minus. When tolerances are specified as plus and minus (±), half the values given.

*Composition UNS
 Conductivity UNS
 Mechanical Properties For reference only, measured at room temperature, 68°F(20°C).
 Fabrication Properties UNS, Machinability for reference only.
 Other Physical Properties For reference only

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