

Brass

Ms67c (C26200)

Material Designation*

UNS	C26200
EN	CuZn33 (CW 506 L)
JIS	C2600
GB	H68

Chemical Composition

Cu	67-70	%
Zn	Balance	%

**Characteristics**

It has good plasticity, high strength, good machinability and strong corrosion resistance. It is easy to be welded.

Typical Applications

It is suitable for all kinds of complex cold stamping parts and deep drawing parts, plugs, radiator housings, wave guides, bellows, 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	110	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	20%

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Mechanical Properties

Diameter	Temper	Tensile Strength	Yield Strength	Elongation
mm		MPa min.	MPa min.	% min.
3 < Φ ≤ 12	H02	355	230	14
12 < Φ ≤ 18	H02	340	220	16
25 < Φ ≤ 50	H02	--	--	--
50 < Φ ≤ 80	H02	--	--	--
3 < Φ ≤ 12	H04	590	450	--
12 < Φ ≤ 18	H04	490	350	--
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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