JIS 銅合金連続鋳造鋳物 1/4 Copper alloy continuous cast products

JIS H5121/ 2016 March.

材質規格一覧表 Material specifications (米CDA材、開発材 Bronz1 除く (Except CDA/USA and Bronz1 our original designs))

名称 Formal name	2016 新素材 New alloys	特記事項 選択随意 Option	特記事項 特許、ブランド名 Remarks	記号 Symbol (JIS former symbol)	化学成分(Chemical composition) 質量%,範囲表示の主成分 (Major elements) Cu	Sn	Pb	Zn	Bi	Se	Fe
耐脱亜鉛黄銅連続鋳造鋳物 Dezincification resistance brass continuous cast products			サンエツPb 16/JIS PT.	CAC211C	65.5~68.5	1.1~1.5	0.1~2.0	28.0~31.0 c)	–	–	–
	鉛レス (Lead free)	RoHS ‡	クリカブラス 16/JIS PT.	CAC221C	66.0~69.0	–	–	26.0~31.0 c)	0.2~1.2	–	–
	鉛レス (Lead free)	RoHS ‡	サンエツBi 16/JIS PT.	CAC231C	66.3~68.5	1.1~1.5	–	28.0~31.0 **c)**	0.5~0.8	–	–
	鉛レス (Lead free)	RoHS ‡	NEXTBRASS 16/JIS PT. Licenser	CAC232C Bronz1	66.0~72.0	0.6~1.5	–	26.0~30.0 **c)**	0.5~2.0	–	–
高力黄銅連続鋳造鋳物 High strength brass continuous cast products		RoHS ‡		CAC301C (HBsC1C)	55.0~60.0	–	–	33.0~42.0 **c)**	–	–	0.5~1.5
		RoHS ‡		CAC302C (HBsC2C)	55.0~60.0	–	–	30.0~42.0 c)	–	–	0.5~2.0
		RoHS ‡		CAC303C (HBsC3C)	60.0~65.0	–	–	22.0~28.0 c)	–	–	2.0~4.0
		RoHS ‡		CAC304C (HBsC4C)	60.0~65.0	–	–	22.0~28.0 c)	–	–	2.0~4.0
青銅連続鋳造鋳物 Bronze continuous cast products				CAC401C (BC1C)	79.0~83.0	2.0~4.0	3.0~7.0	8.0~12.0	–	–	–
		RoHS ‡		CAC402C (BC2C)	86.0~90.0	7.0~9.0	–	3.0~5.0	–	–	–
		RoHS ‡		CAC403C (BC3C)	86.5~89.5	9.0~11.0	–	1.0~3.0	–	–	–
				CAC406C (BC6C)	83.0~87.0	4.0~6.0	4.0~6.0	4.0~6.0	–	–	–
		RoHS ‡		CAC407C (BC7C)	86.0~90.0	5.0~7.0	1.0~3.0	3.0~5.0	–	–	–
		RoHS		CAC408C (–)	84.0~88.0	4.0~6.0	2.0~4.0	5.0~7.0	–	–	–
	鉛レス (Lead free)	RoHS	ビワライト PT. Licensee	CAC411C (–)	90.0~96.0	3.0~5.0	–	1.0~3.0	–	–	–
りん青銅連続鋳造鋳物 Phosphor bronze continuous cast products		RoHS ‡		CAC502C (PBC2C)	87.0~91.0	9.0.~12.0	–	–	–	–	–
		RoHS ‡		CAC503C (PBC3C)	84.0~88.0	12.0~15.0	–	–	–	–	–
鉛青銅鋳物 Leaded tin bronze continuous cast products				CAC603C (LBC3)	77.0~81.0	9.0~11.0	9.0~11.0	–	–	–	–
				CAC604C (LBC4C)	74.0~78.0	7.0~9.0	14.0~16.0	–	–	–	–
				CAC605C (LBC5C)	70.0~76.0	6.0~8.0	16.0~22.0	–	–	–	–
アルミニウム青銅連続鋳造鋳物 Aluminium bronze continuous cast products				CAC701C (AlBC1C)	85.0~90.0	–	–	–	–	–	1.0~3.0
				CAC702C (AlBC2C)	80.0~88.0	–	–	–	–	–	2.5~5.0
				CAC703C (AlBC3C)	78.0~85.0	–	–	–	–	–	3.0~6.0
アルミニウム青銅連続鋳造鋳物 Silzin bronze continuous cast products	鉛レス (Lead free)	RoHS ‡	PT.Licensee Ecobrass	CAC804C (–)	74.0~78.0	–	–	18.0~22.5	–	–	–

残余成分 a) Residual elements Ni	P	Al	Mn	Si	S	Sb	Sn	Pb	Zn	Fe	Sb	Ni	P	Al	Se	Mn	Si	Bi	S
–	0.05~0.1	0.01~0.1	–	–	–	0.06~0.15	–	–	–	0.2	–	0.2	–	–	–	–	0.05	–	–
0.2~1.0	0.005~0.2	0.8~1.4	–	–	–	–	0.5	0.25 **b)**	–	0.5	–	–	–	–	–	–	0.3	–	–
–	0.05~0.1	0.01~0.1	–	–	–	0.06~0.15	–	0.25 **b)**	–	0.2	–	0.2	–	–	–	–	0.05	–	–
–	–	0.35~0.6	–	0.4~0.8	–	0.02~0.20	–	0.25 **b)**	–	0.2	–	0.2	0.03	–	–	0.2	–	–	–
–	–	0.5~1.5	0.1~1.5	–	–	–	1.0	0.4	–	–	–	1.0	–	–	–	–	0.1	–	–
–	–	0.5~2.0	0.1~3.5	–	–	–	1.0	0.4	–	–	–	1.0	–	–	–	–	0.1	–	–
–	–	3.0~5.0	2.5~5.0	–	–	–	0.5	0.2	–	–	–	0.5	–	–	–	–	0.1	–	–
–	–	5.0~7.5	2.5~5.0	–	–	–	0.2	0.2	–	–	–	0.5	–	–	–	–	0.1	–	–
–	–	–	–	–	–	–	–	–	–	0.35	0.2	1.0	0.5	0.01	–	–	0.01	–	–
–	–	–	–	–	–	–	–	1.0 **b)**	–	0.2	0.2	1.0	0.5	0.01	–	–	0.01	–	–
–	–	–	–	–	–	–	–	1.0 **b)**	–	0.2	0.2	1.0	0.5	0.01	–	–	0.01	–	–
–	–	–	–	–	–	–	–	–	–	0.3	0.2	1.0	0.5	0.01	–	–	0.01	–	–
0.1~1.0	–	–	–	–	0.2~0.6	–	–	0.25 **b)**	–	0.5	0.2	–	0.5	0.01	–	–	0.01	–	–
–	0.05~0.50	–	–	–	–	–	–	0.3	0.3	0.2	0.05	1.0	–	0.01	–	–	0.01	–	–
–	0.05~0.50	–	–	–	–	–	–	0.3	0.3	0.2	0.05	1.0	–	0.01	–	–	0.01	–	–
–	–	–	–	–	–	–	–	–	1.0	0.3	0.5	1.0	0.5	0.01	–	–	0.01	–	–
–	–	–	–	–	–	–	–	–	1.0	0.3	0.5	1.0	0.5	0.01	–	–	0.01	–	–
–	–	–	–	–	–	–	–	–	1.0	0.3	0.5	1.0	0.5	0.01	–	–	0.01	–	–
0.1~1.0	–	8.0~10.0	0.1~1.0	–	–	–	0.1	0.1	0.5	–	–	–	–	–	–	–	–	–	–
1.0~3.0	–	8.0~10.5	0.1~1.5	–	–	–	0.1	0.1	0.5	–	–	–	–	–	–	–	–	–	–
3.0~6.0	–	8.5~10.5	0.1~1.5	–	–	–	0.1	0.1	0.5	–	–	–	–	–	–	–	–	–	–
–	0.05~0.2	–	–	2.7~3.4	–	–	0.6	0.25 **b)**	–	0.1	0.1	0.2	–	–	0.1	0.1	–	0.1	–

(Except CDA/USA and Bronz1 our original designs))

ないものは"以下"とします。 A%未満:<A , A<:A%超える。 Mass %. % maximum except as indicated. A% under :<A , A<:A% over

16/JIS 新登録(New entry)

Licensee.(製造販売実施権保有) Licenser.(製造販売許諾権保有)

PT.(特許品.Need the license agreements)

‡ CdについてRoHS規制に合致しているか都度分析確認(Cd should be made an analysis every and each time to make sure if it is matchable in RoHS/Eu..

( )内は旧記号を表す。 (–)は旧記号はない。
( )Former name in JIS . (–)No former name

RoHS (Pbのみについてローズ対応のもの。2015 3月現在 Matching RoHS/Eu in Pb.As of Mar.2015)

a)許容限度(許容最大値)を示す。分析対象元素[注**b**参照]以外の成分の分析は、注文者の要求がある場合、または製造業者の選定によって行う。 Show a permissible maximum limit.The chemical analysis other than element of analysis(See note **b)** should be done when be demonded from a purchaser or and in case of a choce of manufacturer.

b)分析対象元素 Element covered by analysis.

c)Znの含有率(%)は、分析した元素の合計を100%から差し引いたものとする。ただし、その中にはZn以外の分析しない元素が含まれる。Zn content(%) shall be determined as the balance of 100 per cent. Hoever its value has unanalyzed(unnamed) elements other than Zn.

d) "–"と記載された欄は、化学成分を規定しないため、分析しなくてよい。
About indicated "–",allowed not to analyze due to the out of stipulation of content.

JIS 銅合金連続鋳造鋳物 1/4 Copper alloy continuous cast products

JIS H5121/ 2016 March

材質規格一覧表 Material specifications (米CDA材、開発材 Bronz1 除く (Except CDA/USA and Bronz1 our original designs))

名称 Formal name	2016 新素材 New alloys	特記事項 選択随意 Option	特記事項 特許、ブランド名 Remarks	記号 Symbol (JIS former symbol)	化学成分(Chemical composition) 質量%,範囲表示の 主成分 (Major elements) Cu	Sn	Pb	Zn	Bi	Se	Fe
ビスマス青銅連続鋳造鋳物 Bismuth bronze continuous cast products	鉛レス (Lead free)		PT.	CAC901C (–)	86.0~90.6	4.0~6.0	–	4.0~8.0	0.4<~1.0	–	–
	鉛レス (Lead free)	RoHS ‡		CAC902C (–)	84.5~90.0	4.0~6.0	–	4.0~8.0	1.0<~2.5	–	–
	鉛レス (Lead free)	RoHS ‡		CAC903C (–)	83.5~88.5	4.0~6.0	–	4.0~8.0	2.5<~3.5	–	–
	鉛レス (Lead free)		PT. クリカブロンズ	CAC904C (–)	82.5~87.5	3.0~5.0	–	6.0~9.0	1.0~2.0	–	–
	鉛レス (Lead free)	RoHS ‡	PT. クリカLN	CAC905C (–)	80.1~85.1	1.5~3.0	–	12.0~17.0	0.4~0.9	–	–
	鉛レス (Lead free)	RoHS	LF5A C Joyalloy	CAC906C (–) Bronz1	77.5~83.0	2.0~3.0	–	14.0~17.0	0.9<~1.5	–	–
	鉛レス (Lead free)	RoHS	Bronz1 Joyalloy PT.on file	LF5A2 C JIS規格外品 Out of JIS	80.0~82.0	0.8~1.5	–	15.5~18.5	0.4~1.0	–	–
ビスマスセレン青銅連続鋳造鋳物 Bismuth selenium bronze continuous cast products	鉛レス (Lead free)	RoHS	PT.キーパロイ セーフアロイ Keepalloy /Safealloy	CAC911C (–)	83.0~90.6	3.5~6.0	–	4.0~9.0	0.8~2.5	0.1~0.5	–

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残余成分 a) Residual elements Ni	P	Al	Mn	Si	S	Sb	Sn	Pb	Zn	Fe	Sb	Ni	P	Al	Se	Mn	Si	Bi	S
–	–	–	–	–	–	–	–	0.25 b)	–	0.3	0.3	1.0	0.5	0.01	0.10> b)	–	0.01	–	0.08
–	–	–	–	–	–	–	–	0.25 b)	–	0.3	0.3	1.0	0.5	0.01	0.10> b)	–	0.01	–	0.08
–	–	–	–	–	–	–	–	0.25 b)	–	0.3	0.3	1.0	0.5	0.01	0.10> b)	–	0.01	–	0.08
1.5~2.5	–	–	–	–	–	–	–	0.25 b)	–	0.3	0.3	–	0.5	0.01	0.10> b)	–	0.01	–	0.08
–	–	–	–	–	–	–	–	0.25 b)	–	0.3	0.05>	0.5	0.5	0.01	0.10> b)	–	0.01	–	–
–		–	–	–	–	–	–	0.25 b)	–	0.3	0.05>	0.2	0.5	0.01	0.10> b)	–	0.01	–	–
–	–	–	–	–	–	–	–	0.25	–	0.3	0.2	0.2	0.5	0.01	–	–	0.01	–	–
–	–	–	–	–	–	–	–	0.25 b)	–	0.3	0.2	1.0	0.5	0.01	–	–	0.01	–	0.08

16/JIS 新登録(New entry)

Licensee.(製造販売実施権保有) Licenser.(製造販売許諾権保有)

PT.(特許品.Need the license agreements)

‡ CdについてRoHS規制に合致しているか都度分析確認(Cd should be made an analysis every and each time to make sure if it is matchable in RoHS/Eu..

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a)許容限度(許容最大値)を示す。分析対象元素[注b参照]以外の成分の分析は、注文者の要求がある場合、または製造業者の選定によって行う。 Show a permissible maximum limit.The chemical analysis other than element of analysis(See note b) should be done when be demonded from a purchaser or and in case of a choce of manufacturer.

b)分析対象元素 Element covered by analysis.

c)Znの含有率(%)は、分析した元素の合計を100%から差し引いたものとする。ただし、その中にはZn以外の分析しない元素が含まれる。Zn content(%) shall be determined as the balance of 100 per cent. Hoever its value has unanalyzed(unnamed) elements other than Zn.

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(9) 2016 JIS 銅合金連続鋳造鋳物 3/4 Copper alloy continuous cast products

JIS H5120/ 2016 March.

機械的性質 a) Mecanical properties

名称 Formal name	記号 Symbol	引張試験Tensile test 引張強さ Tensile strength N/mm²	伸び Elongation %	硬さ試験Hardness test ブリネル硬さ Brinell hardness HBW	参考(Information only) 引張試験 0.2%耐力 Yeild strength 0.2% N/mm²	硬さ試験 Brinell haradness HBW
耐脱亜鉛黄銅連続鋳造鋳物 Dezincification resistance brass continuous cast products	CAC211C	245min	15min	–	–	–
	CAC221C	255min	20min	–	–	–
	CAC231C	245min	15min	–	–	–
	CAC232C Bronz1	245min	20min	–	–	–
高力黄銅連続鋳造鋳物 High strength brass continuous cast products	CAC301C (HBsC1C)	470min	25min	–	170min	90min(10/1000)
	CAC302C (HBsC2C)	530min	20min	–	200min	100min(10/1000)
	CAC303C (HBsC3C)	655min	18min		310min	165min(10/3000)
	CAC304C JSP1 Bronz1 (HBsC4C)	765min	14min	b) 200min(10/3000)	420min	200min(10/3000)
	JSP5 Bronz1	b)785min	b)10min	b) 240min(10/3000)	–	
青銅連続鋳造鋳物 Bronze continuous cast products	CAC401C (BC1C)	195min	15min	–	90min	–
	CAC402C (BC2C)	275min	15min	–	150min	–
	CAC403C (BC3C)	275min	13min	–	170min	–
	CAC406C (BC6C)	245min	15min	–	100min	60min(10/1000)
	CAC407C (BC7C)	255min	15min	–	130min	–
	CAC408C (–)	245min	15min	–	100min	–
	CAC411C (–)	245min	15min	–	100min	–
りん青銅連続鋳造鋳物 Phosphor bronze continuous cast products	CAC502C (PBC2C)	295min	10min	80min(10/1000)	160min	–
	CAC503C (PBC3C)	295min	5min	90min(10/1000)	160min	–
鉛青銅連続鋳造鋳物 Leaded tin bronze continuous cast products	CAC603C (LBC3C)	225min	10min	65min(10/500)	135min	–
	CAC604C (LBC4)	220min	8min	60min(10/500)	100min	–
	CAC605C (LBC5C)	175min	7min	50min(10/500)	80min	–
アルミニウム青銅連続鋳造鋳物 Aluminium bronze continuous cast products	CAC701C (AℓBC1C)	490min	20min	90min(10/1000)	170min	–
	CAC702C (AℓBC2C)	540min	15min	120min(10/1000)	220min	–
	CAC703C (AℓBC3C)	610min	12min	160min(10/3000)	245min	–
シルジン青銅連続鋳造鋳 Silzin bronze continuous cast products	CAC804C (–)	350min	18min	–	170min	–

( )内は旧記号を表す。(–)は旧記号はない。( )Former name in JIS . (–)No former name

1N/mm²=1MPa

a) 連鋳鋳物の機械的性質は、外径100mm以下の管および棒に適用する。異形状連鋳鋳物並びに外径及び対辺距離が100mmを超える管および棒の機械的性質は、受け渡し当事者間の協定による。

Shall be applied to a round tube and a round solid having 100mm(4') or under in outside diameter.For continuous castings in verious shapes, a round tube ,a round solid and an opposite distance having over 100mm(4'),shall be agreed by the parties concerned.

b) JSP1、JSP5は Jマテ.カッパープロダクツ株式会社のブランド名です。ブランド別に機械的性質を設定。

JSP1 and JSP5 are brand of CAC304C by Joetsu bronz1 corporation.Those mechanical requirements are settled by Joetsu.

物理的性質と二次加工データ ** Physical properties and Fabrication practices

相当材 Nearest applicable

参考 Reference

比重 Specific gravity	導電率 Electrical conductivity IACS % @20℃	縦弾性係数 Kgf/mm² Modulus of elasticity	半田付け Soldering	被削性 Machin-ability	USA ASTM / SAE	EN BS / DIN	用途例 C) Typica uses
							給水用具・給水管用各種部品など Water supply devices,Fittings for water supply pipe etc.
							給水用具・給水管用各種部品など Water supply devices,Fittings for water supply pipe etc.
							給水用具・給水管用各種部品など Water supply devices,Fittings for water supply pipe etc.
8.35	16.8	11,240	優 excellent	70	C89720		給水用具・給水管用各種部品など Water supply devices,Fittings for water supply pipe etc.
8.20	22	10,540	可 Fair	26	C86500 (43)	CuZn35Mn2Al1Fe1 (CC765S)	軸受、弁座、弁棒、軸受保持器、アーム、ギア、船用艤装品など Bearing ,Valve seats,Valve stems,Bearing retainers,Arms, Gears,Marine outfit parts et
8.32	19	9,840	可 Fair	65			軸受、軸受保持器、特殊シリンダ、弁座、弁棒、一般機械部品など Bearings,Bearing retainers,Specified cylinders ,Valve seats,Valve stems,Gneral machinery parts etc.
7.85	7.5	10,540	劣 poor	30	C86200 (430A)		低速高荷重用摺動部品、バルブ、ステム、ブシュ、ウオームギア、水圧シリンダーなど Low-speed and heavy-duty sliding parts,Valves,Stems,Bushes,Worm gears,Hydraulic cylinders etc.
7.70	8.0	10,000	劣 poor	8	C86300 (430B)	CuZn25Al5MnFe3 (CC762S)	低速高荷重用摺動部品、橋梁支承板、軸受、ナット、ウオームギア、耐摩耗板など Low-speed and heavy-duty sliding parts,Bridge bearing plates,Bearings,Nuts,Worm gears,Wear resistance plates etc.
8.89	16.4	9,150	優 excellent	90	C84400	LG1 CuSn3Zn8Pb5(CC490K)	給水用具・給水管用各種部品、軸受、銘板、一般機械部品など Water supply devices,Fittings for water supply pipe,Bearings,Name plates,General machinery parts etc.
8.83	12	9,840	優 excellent	30	C90300 (620)		軸受、歯車、船用丸窓、電動機器部品など Bearings,Gears,Marine round windows,Parts for electrically-driven device etc.
8.82	11	10,540	優 excellent	30	C90500 (62)	G1	軸受、バルブ、歯車、電動機器部品、一般機械部品など Bearings,Valves,Gears,Parts for electrically-driven device,General machinery parts etc.
8.95	15	9,500	優 excellent	84	C83600 (40)	LG2 CuSn5Zn5Pb5(CC491K)	軸受、バルブシートリング、給水用具・給水管各種部品、水道用資機材、一般機械部品など Bearings,Valve seat rings,Parts for water supply devices and facilities concerned,General machinery parts etc.
8.90	14.3	9,840	優 excellent	42	C92200 (622)	LG4	軸受、小形ポンプ部品、一般機械部品など Valves,Parts for small pump,General machinery parts etc.
8.89			優 excellent	80			軸受、バルブシートリング、給水用具・給水管用各種部品、水道用資機材、一般機械部品など Berainge,Valve seat rings,Parts for water supply devices and facilities concerned,General machinery parts etc.
8.78			優 excellent	75	C83470		給水用具・給水管用各種部品、一般機械部品など Parts for water supply devices and plumbing,General machinery parts etc.
8.85	9.6	10,540	優 excellent	20	C90700 (65)	PB4 CuSn10(CC480K)	歯車、ウオームギア、軸受、一般機械部品など Gears,Worm gears,Bearings,General machinery parts etc.
8.80	9.3	11,200	優 excellent	20	C91000	PB2 CuSn12(CC483K)	摺動部品、油圧シリンダ、スリーブ、歯車、ライナー、製紙用ロールなど Sliding parts,Hydraurlic cylinders,Sleeves,Gears,liners,Rolls for paper making machine etc.
9.04	10	7,740	良 good	80	C93700 (64)	LB2 CuSn10Pb10(CC495K)	中高速・高荷重用軸受、エンジン用軸受など Bearings for intermediate and high speed with heavy-duty ,Bearings for an engine etc.
9.20	11.5	7,400	良 good	80	C93800 (67)	LB1 CuSn7Pb15(CC496K)	中高速・高荷重用軸受け、車両用軸受け、ホワイトメタルの裏金など Bearings for intermediate and high speed with heavy-duty ,Bearings for vehicle,Backmetals with white metal etc.
9.40	10	7,400	良 good	80	C94500	LB5 CuSn5Pb20(CC497K)	中高速・高荷重用軸受、エンジン用軸受など Bearings for intermediate and high speed with heavy-duty ,Bearing for an engine etc.
7.64	11	10,540	良 good	50	C95200 (68a)	AB1 CuAl10Fe2(CC331G)	軸受、歯車、バルブシート、プランジャ、製紙用ロールなど Bearings,Geras,Valve seats,Plungers,Rolls for paper making machine etc.
7.65	13	10,900	良 good	60	C95400	CuAl10Ni3Fe2(CC332G)	軸受、歯車、バルブシート、ボルト、ナット、安全工具、架線金具など Bearings,Geras,Valve seats,Bolts,Nuts,Safty tools,Line hardwares etc.
7.65	7.1	11,600	良 good	50	C95800	AB2 CuAl10Fe5Ni5(CC333G)	軸受、ポンプ部品、船用ボルト・ナット、化学工業用機器部品など Berainge,Parts for pump,Marine bolts and nuts,Parts for chemical industry device etc.
8.33	8	10,690	優 excellent	70	C89720		給水用具・給水管用各種部品、軸受、歯車など Parts for water supply devices and plumbing,Bearings,Geras etc.

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By CDA(U.S.A) data in the nearest applicable material.Or by material devlopers

C)給水用具・給水管部品とは、給水管、止水栓及び給水栓における配管部品、バルブ、コックなどを指す。水道用資機材とは、上水道・工業用水道のための取水、浄水及び配水の施設における配管部品、バルブ、ポンプなどを指す。

"Water supply devices,Fittings for water supply pipe etc."means piping parts on water supply-pipes and stop valves. And also means valves,cocks etc."Facilities concened" means parts on a pipe wich is used at the facilities like water take,the water purification and water supply.And means valves and pumps attached them.

Jマテ.カッパープロダクツ株式会社 Joetsu Bronz1 corporation

(10) 2016 JIS 銅合金連続鋳造鋳物 4/4 Copper alloy continuous cast products

JIS H5120/ 2016 March.

機械的性質 a) Mecanical properties

名称 Formal name	記号 Symbol	引張試験Tensile test 引張強さ Tensile strength N/mm²	伸び Elongation %	硬さ試験Hardness test ブリネル硬さ Brinell hardness HBW	参考(Information only) 引張試験 0.2%耐力 Yeild strength 0.2% N/mm²	硬さ試験 Brinell haradness HBW
ビスマス青銅連続鋳造鋳物 Bismuth bronze continuous cast products	CAC901C (–)	245min	25min	–	–	–
	CAC902C (–)	245min	20min	–	100min	–
	CAC903C (–)	245min	15min	–	–	–
	CAC904C (–)	245min	15min	–	100min	–
	CAC905C (–)	245min	20min	–	–	
	CAC906C (–) Bronz1	245min	20min	–	–	–
	LF5A2(C) Bronz1 JIS規格外品 Out of JIS	215min	20min	–	–	–
ビスマスセレン青銅連続鋳造鋳物 Bismus selenium bronze continuous cast products	CAC911C (–)	245min	15min	–		–

( )内は旧記号を表す。(–)は旧記号はない。( )Former name in JIS . (–)No former name

1N/mm²=1MPa

a) 連鋳鋳物の機械的性性質は、外径100mm以下の管および棒に適用する。異形状連鋳鋳物及び外径並びに対辺距離が100mmを超える管および棒の機械的性質は、受け渡し当事者間の協定による。

Shall be applied to a round tube and a round solid having 100mm(4') or under in outside diameter.For continuous castings in verious shapes, a round tube ,a round solid and an opposite distance having over 100mm(4'),shall be agreed by the parties concerned.

物理的性質と二次加工データ ** Physical properties and Fabrication practices

相当材 Nearest applicable

参考 Reference

比重 Specific gravity	導電率 Electrical conductivity IACS % @20℃	縦弾性係数 Kgf/mm² Modulus of elasticity	半田付け Soldering	被削性 Machin–ability	USA ASTM / SAE	EN BS / DIN	用途例 C) Typica uses
							給水用具・給水管用各種部品、水道用資機材、バルブ、継手など Water supply tools and Various parts for devices and plumbing,Valves,Fittings etc.
8.80	16.8	9,140	優 excellent	30	C89844		給水用具・給水管用各種部品、水道用資機材、バルブ、継手など Water supply tools and Various parts for devices and plumbing,Valves,Fittings etc.
8.83	16.8	9,140	優 excellent	30	C89844		給水用具・給水管用各種部品、水道用資機材、バルブ、継手など Water supply tools and Various parts for devices and plumbing,Valves,Fittings etc.
8.76	14.6	10,500	優 excellent	76	C89845		給水用具・給水管用各種部品、水道用資機材、バルブ、継手など Water supply tools and Various parts for devices and plumbing,Valves,Fittings etc.
8.68	21.2		優 excellent	70			給水用具・給水管用各種部品、バルブ、継手など Water supply tools and Various parts for plumbing,Valves,Fittings etc.
8.63	18.5		優 excellent	80	C89842		給水用具・給水管用各種部品、バルブ、継手など Water supply tools and Various parts for plumbing,Valves,Fittings etc.
8.71	18.5		優 excellent	80			給水用具・給水管用各種部品、バルブ、継手など Water supply tools and Various parts for plumbing,Valves,Fittings etc.
8.78	17.0		優 excellent	75			給水用具・給水管用各種部品、水道用資機材、バルブ、継手など Water supply tools and Various parts for devices and plumbing,Valves,Fittings etc.

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