

sarbak



## TECHNICAL DATA SHEET

**CC768S - CuZn21Si3P-C**

ECOBRESS – ECOCAST  
CONTINUOUS CASTING  
(PATENTED)

## CC768S - CuZn21Si3P-C

Product Code	EN Symbol	ASTM		Cu	Zn	Pb	Sn	Fe	Ni	Al	Mn	P	Si
Ecocast Unleaded Ingots CC768S	CuZn21Si3P-C	C87850	Min %	75,0	Rem.	-	-	-	-	-	-	0,02	2,7
			Max %	77,0	Rem.	0,1	0,3	0,3	0,2	0,05	0,05	0,10	3,5

Each of the other elements < 0,02 %

## Material Properties and Typical Applications

The ecocast ingots, which are produced as continuous castings, are unleaded ingots which is free from the damage of the lead element in traditional armature ingots. The EcoCast alloy, which is produced entirely from raw materials, has excellent pourable properties.

The ingots are shipped in euro pallets between 1 and 2 tons.

ROHS II complies with the REACH directives. 4MS and UBA material restriction group: B, C, D

**Different norm and alloy demands that come from our customers are examined and produced by the relevant units.**

## Areas of Usage

\* It is usually used in the manufacture of water watches and water faucet.

## APPLICABLE STANDARDS

EN-1982	Standard for brass and copper alloys, ingots and casts.
DIN 50930-6	Standard for brass materials used areas contacting drinking water.
UBA List	The list for brass materials used in drinking water published by German Federal Environment Agency.
4MS	Committee regulating the national approvals for materials and products contacting drinking water that France, Germany, the Netherlands and United Kingdom are members of.

Casting Process and Designation	Tensile Strength R <sub>m</sub> N/mm <sup>2</sup> (MPa) Min	0,2 % Proof Strength N/mm <sup>2</sup> (MPa) Min	Elongation A (%) Min	Hardness (HBW) Min
Permanent Mould - GM	460	180	20	100
Sand - GS	420	140	20	80
Continuous - GC	420	140	20	80

**Note:** These mechanical properties are valid for casting parts.

## STANDARD MEASURES – WEIGHT

Standard Meter (mm)	Standard Weight (kg)
64x64x380	Average 12



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