

Material: UNS C87600

Standard Specification for Silicon Brass Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: UNS Silicon Brass Ingots and Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Iron	Fe %	0.200 max.
Manganese	Mn %	0.250 max.
Lead	Pb %	0.090 max.
Silicon	Si %	3.500 - 4.500
Zinc	Zn %	4.000 - 7.000
Copper	Cu %	88.000 min.
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-	-	-
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-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	414 min.
Yield Strength in Mpa	207 min.
Elongation in %	16 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
11109 Grade 2	IS	India	Ingot and Casting
SB-584 C87600	ASME	USA	Casting
B198-13C	ASTM	USA	Casting
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