

# Material: IS 12443 Aluminium Brass CuZn20Al2As

## Standard Specification for Rolled Brass Plates for General Engineering

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 12443 Rolled Brass Plates for General Engineering

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

**Belongs to the Industry:** Plate

Chemical Composition		
Lead	Pb %	0.070 max.
Iron	Fe %	0.060 max.
Arsenic	As %	0.020 - 0.060
Aluminium	Al %	1.800 - 2.500
Other	Ot%	0.300 max.
Copper	Cu %	76.000 - 79.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	280 min.
Yield Strength in Mpa	-
Elongation in %	36 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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