

# 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			Heat Treatment	
Lead	Pb %	0.070 max.	As Raw or Annealing	
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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 280 min. Yield Strength in Mpa - Elongation in % 36 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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