

# Material: IS 2451 CuNi15Zn22

## Standard Specification for Copper Alloys - Nickel Silver - Ingots and Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 2451 Copper Alloys - Nickel Silver - Ingots and Casting

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

**Belongs to the Industry:** Ingot and Casting

Chemical Composition		
Iron	Fe %	0.500 max.
Manganese	Mn %	0.500 max.
Lead	Pb %	0.040 max.
Nickel	Ni %	14.000 - 16.000
Copper	Cu %	60.000 - 65.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi10Zn27	IS	India	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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