

# Material: IS 9805 Grade 1

## Standard Specification for High Conductivity Copper Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 9805 High Conductivity Copper Casting

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

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Lead	Pb %	0.005 max.	As-Cast	
Bismuth	Bi %	0.0025 max.		
Other	Ot%	0.040 max.		
Copper	Cu %	99.900 min.		
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-	-	-		
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			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	200 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	46 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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