GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 463 UNS C12000

Standard Specification for Wrough Copper and Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 463 UNS C12000 Wrough Copper and Copper Alloys

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes

Chemical Composition		
Phosphorus	P %	0.004 - 0.012
Copper	Cu %	99.900 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Hardening

Mechanical Properties	
Tensile Strength in Mpa	205 - 260
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	75 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C12000	UNS	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes
B 152 UNS C12000	ASTM	USA	Sheet, Strip, Plate and Rolled Bar
B 187 UNS C12000	ASTM	USA	Rod, Bar and Shapes
B 188 UNS C12000	ASTM	USA	Pipe and Tube
SB-152 UNS C12000	ASME	USA	Sheet, Strip, Plate and Rolled Bar
SB-187 UNS C12000	ASME	USA	Rod, Bar and Shapes
J 463 UNS C12200	SAE	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.