



## Material - UNS J92802

**Standard Specification for Castings, Austenitic, for Pressure-Containing Parts**

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - UNS Castings, Austenitic, for Pressure-Containing Parts**

**Application - Intended for Valves, Pumps, General Engineering, Automobile and Other Industries**

**Grade Belongs to the Industry - Casting**

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	23.000 - 26.000		
Nickel	Ni %	8.000 - 11.000		
Molybdenum	Mo %	0.500 max.		
Nitrogen	N %	0.080 -0.200		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      550 min. Yield Strength in Mpa      275 min. Elongation in %      30 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
ASTM A 451 Grade CPE20N	ASTM	USA	Centrifugal Cast Steel Pipes
J92805	UNS	USA	Casting
A351 CE20N	ASTM	USA	Casting
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**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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