



Material - AMS 5357

Standard Specification for Steel, Corrosion Resistant, Investment Casting

Group - Ferrous Stainless Steel Alloys

Sub Group - AMS 5357 Steel, Corrosion Resistant, Investment Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.500 - 1.000		
Manganese	Mn %	0.600 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	14.000 - 15.500		
Nickel	Ni %	4.200 - 5.000		
Copper	Cu %	2.500 - 3.200		
Nitrogen	N %	0.050 max.		
Tantalum	Ta %	0.050 max.		
Niobium	Nb %	0.150 - 0.300	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	862 min.
-	-	-	Yield Strength in Mpa	758 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	28-36
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J92110	UNS	USA	Casting
UNS J92130	UNS	USA	Casting
SA-747 CB7Cu-2	ASME	USA	Casting
5356	AMS	USA	Casting
AMS 5346	SAE	USA	Casting
5400	AMS	USA	Casting
A747 CB7CU-2	ASTM	USA	Casting

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.