

Material - IS 11286 Grade 4A

Standard Specification for Corrosion Resistant High Alloy Steel Nickel Base and Cobalt Base Investment Castings for Severe Applications

Group - Non-Ferrous Nickel Alloys

Sub Group - IS 11286 Grade 4A Corrosion Resistant High Alloy Steel Nickel Base and Cobalt Base Investment Castings for Severe Applications

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.350 max.		
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.	As-Cast or Annealing or Age Hardning	
Phosphorus	P %	0.030 max.		
Iron	Fe %	3.500 max.		
Sulphur	S %	0.030 max.		
Copper	Cu %	26.000 - 33.000		
Nickel	Ni %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	175 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-		Impact in Joule	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
3444 Grade 22	IS	India	Casting	
M-35-2	NBR	Brazil	Casting	
M-35-2	NMX	Mexico	Casting	
A 743 Grade M-35-2	ASTM	USA	Casting	
A 744 Grade M-35-2	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

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