

Material - ASTM A757 Grade B3N B3Q

Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications, for Low-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A757 Grade B3N B3Q Ferritic and Martensitic Steel Castings for Pressure-Containing and Low-Temperature Service

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	0.400 max.		
Nickel	Ni %	3.000 - 4.000		
Molybdenum	Mo %	0.250 max.	Mechanical Properties	
Vanadium	V %	0.030 max.		
Copper	Cu %	0.500 max.		
Other	%	1.000 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	275 min.
			Elongation in %	24 min.
			Reduction of Area in %	35 min.
			Hardness in BHN	-
			Impact in Joule	20 J @ -101°C

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BL 2	BS	British	Casting
GS-10 Ni 14	DIN	Germany	Casting
G 9 Ni 14	EN	European Union	Casting
SCPL 31	JIS	Japan	Casting
Ao 10 Ni 14	MSZ	Hungary	Casting
G9Ni14	UNI	Italy	Steel
J31550	UNS	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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