

Material - ASTM A757 Grade B2N B2Q

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 / A757M Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications, for 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 %	0.250 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 %	2.000 - 3.000		
Molybdenum	Mo %	0.250 max.		
Vanadium	V %	0.030 max.	Mechanical Properties	
Copper	Cu %	0.500 max.	Tensile Strength in Mpa	485 min.
Other	Ot %	1.000 max.	Yield Strength in Mpa	275 min.
Iron	Fe %	Balance	Elongation in %	24 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	20 min. @ -73°C

Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
20 N 8	AFNOR NF	France	Steel
24 Ni 8	DIN	Germany	Steel
G 9 Ni 10	EN	European Union	Casting
SCPL 21	JIS	Japan	Casting
G9Ni10	UNI	Italy	Casting
J22501	UNS	USA	Casting
AH 60	MSZ	Hungary	Steel

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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