

Material: NBR CA-6N

Standard Specification for Alloy Steel Casting

Group: Ferrous Stainless Steel Alloys

Sub Group: NBR CA-6N Alloy Steel Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.060 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	0.500 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	10.500 -12.500
Nickel	Ni %	6.000 - 8.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Heating + Reheating + Aging

Mechanical Properties	
Tensile Strength in Mpa	965 min.
Yield Strength in Mpa	930 min.
Elongation in %	15 min.
Reduction of Area in %	50 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CA6N	ASTM	USA	Casting
J91650	UNS	USA	Casting
CA-6N	NMX	Maxicon	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India