

Material: ASTM A995 25Cr5NiMoN

Standard Specification for Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A995 / A995M Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	24.000 - 27.000		
Nickel	Ni %	4.000 - 6.000		
Molybdenum	Mo %	1.750 - 2.500		
Nitrogen	N %	0.150 - 0.250		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 655 min. Yield Strength in Mpa 450 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A890 3A	ASTM	USA	Casting
J93371	UNS	USA	Casting
CD6MN	ASTM	USA	Casting
3A	ASTM	USA	Casting
A890 CD6MN	ASTM	USA	Casting
SA-995 CD6MN	ASME	USA	Casting
SA-995 J93371	ASME	USA	Casting

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