GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10095 2.4856 (NiCr22Mo9Nb)

Standard Specification for Heat Resisting Steels and Nickel Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - BS EN 10095 2.4856 (NiCr22Mo9Nb) Heat Resisting Steels and Nickel Alloys

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.030 - 0.100
Manganese	Mn %	0.500 max.
Silicon	Si %	0.500 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	20.000 - 23.000
Cobalt	Co %	1.000 max.
Iron	Fe %	5.000 max.
Molybdenum	Mo %	8.000 - 10.000
Aluminium	Al %	0.400 max.
Titanium	Ti %	0.400 max.
Copper	Cu %	0.500 max.
Nb+Ta	Nb%+Ta%	3.150 - 4.150
Nickel	Ni %	58.000 min.
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	820 - 1050
Proof Strength in Mpa	415 min.
Elongation in %	-
Reduction of Area in %	30 min.
Hardness in HB	240 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
N06625	UNS	USA	Bars
B 472 UNS N06625	ASTM	USA	Bars
SB-443 UNS N06625	ASME	USA	Plate, Sheet and Strip
SB-444 UNS N06625	ASME	USA	Pipe and Tube
SB-446 UNS N06625	ASME	USA	Rods and Bars
SB-564 UNS N06625	ASME	USA	Forging
SB-704 UNS N06625	ASME	USA	Tubing

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.