

CORMAX 10

Chemical Composition	Ni	Fe	Mn	Others	Cu
	9-11	1-2	0.5-1	max.0.2	rest

Code	DIN: 2.0872
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Material Properties	It offers excellent corrosion resistance especially in seawater environments. It has a high degree of weldability.
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Application Area	<ul style="list-style-type: none">• Automotive : Screw Lamp Bases.• Industrial : Condenser Plates, Condensers, Weld Torch Tips, Heat Exchanger Tubes, Valve Bodies, Evaporator Tubes, Pressure Vessels, Distiller Tubes, Pump Impellers for Oil Refining, Ferrules, Evaporators.• Marine : Boat Hulls, Tube Sheet for Salt Water Service, Salt Water Pipe Fittings, Salt Water Piping Systems, Salt Water Pilling Wrap, Hot Water Tanks, Salt Water Baffles, Propeller Sleeves, Ship Hulls, Water Hoses.• Plumbing : Flanges.
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Heat Treatment	It is delivered in as-cast, forged or heat treated condition.
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Mechanical Properties	Hardness	HB	70
	Tensile strength	N/mm ²	280
	Yield strength	N/mm ²	90
	Elongation (L= 5D)	%	30

Physical Properties	Electrical conductivity	MS/m	5
	Coefficient of thermal expansion (273 - 573 K)	10 ⁻⁶ /K	17
	Thermal conductivity(20 °C)	(W/mK)	50
	Density	(g/cm ³)	8.9