

LNT 4462

CLASSIFICATION

AWS A5.9	ER2209	A-Nr	8	Mat-Nr	1.4462
ISO 14343-A	W 22 9 3 N L	F-Nr	6		
		9606 FM	5		

GENERAL DESCRIPTION

Solid rod for welding duplex stainless steels
High resistance to general corrosion, pitting and stress corrosion conditions

SHIELDING GASES (ACC. ISO 14175)

It Inert gas Ar (100%)

APPROVALS

TÜV

+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

C	Mn	Si	Cr	Ni	Mo	N
0.01	1.6	0.5	22.5	8.5	3.0	0.15

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	0.2% proof strength (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)	Impact ISO-V(J) -60°C
Typical values	It	AW	675	829	27	200

EXAMPLES OF MATERIALS TO BE WELDED

Steel grades	EN 10088-1/-2	Mat. Nr	UNS
Duplex stainless steels			
	X2CrNiMoN22-5-3	1.4462	S31803
		1.4417	S31500
	X2CrNiN23-4	1.4362	S32304
	X3CrNiMoN27-5-2	1.4460	S31200
	X2CrNiMoN21-5-1	1.4162	S32101

Dissimilar joints such as un- and low alloy steel to duplex stainless steel

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	1.6	2.0	2.4	3.2	
5 kg PE-Tube	X	X	X	X	Note : Cut length = 1000 mm

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