LNT 4439Mn

CLASSIFICATION

		A-Nr	9*	**Mat-Nr**	1.4453
ISO 14343-A	W 18 16 5 N L*	**F-Nr**	-		
* Nearest classification		**9606 FM**	5		

GENERAL DESCRIPTION

Solid rod for welding AISI 317L, 317LN or equivalent stainless steels
For welding 316L if increased molybdemum content is important
High resistance to pitting, intergranular and stress corrosion
Fully austenitic weld metal

SHIELDING GASES (ACC. ISO 14175)

I1 Inert gas Ar (100%)

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

C	Mn	Si	Cr	Ni	Mo	N
0.02	7	0.4	18	16	4.5	0.15

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	0.2% proof strength (N/mm²)	Tensile strength (N/mm²)	Elongation (%)	Impact ISO-V(J) -196°C
Typical values	I1	AW	440	650	35	80

EXAMPLES OF MATERIALS TO BE WELDED

Steel grades	EN 10088-1/-2	EN 10213-4	Mat. Nr	ASTM/ACI	UNS
Fully austenitic CrNiMo corrosion resistant steels					
	X2CrNiMoN17-11-2		1.4406	(TP)316LN	S31653
	X2CrNiMoN17-13-3		1.4429	(TP)316LN	S31653
	X2CrNiMo18-14-3		1.4435	(TP)316L	S31603
	X2CrNiMo18-15-4		1.4438	317L	S31725
	X2CrNiMoN17-13-5		1.4439	317LN	S31726
	G-X2CrNiMoN17-13-4	G-X2CrNiMo17-13-4	1.4446		
	G-X6CrNiMo17-13	G-X6CrNiMo17-13	1.4448		

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	2.0	2.4
5 kg PE-Tube	X	X

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