

Classifications

EN ISO 14343-A	AWS A5.9	Material-No.
G 22 9 3 N L	ER 2209	~ 1.4462

Characteristics and field of use

UTP A 6808 Mo is used for joining and surfacing of corrosion resistant steels as well as cast steel with austenitic-ferritic structure (Duplex steel). Working temperature: up to 250 °C.

The weld deposit of UTP A 6808 Mo has an excellence resistance against pitting and stress corrosion cracking next to high strength- and toughness-properties. Very good weld- and flow characteristics.

Base materials

1.4462 X2 CrNiMoN 22-5-3
 1.4362 X2 CrNiN 23-4
 1.4462 X2 CrNiMoN 22-5-3 mit 1.4583 X10 CrNiMoNb 18-12
 1.4462 X2 CrNiMoN 22-5-3 mit P2356H/ P265GH/ S255H/ P2956H/ S355N/ 16Mo3

UNS S31803; S32205

Typical analysis in %

C	Si	Mn	Cr	Mo	Ni	N	Fe
0.015	0.35	1.5	22.8	3.0	9.0	0.14	balance

Mechanical properties of the weld metal

Yield strength $R_{P0.2}$	Tensile strength R_m	Elongation A	Impact strength K_V
MPa	MPa	%	J (RT)
600	800	30	80

Welding instruction

Welding area must be thoroughly cleaned to metallic bright and degreased.
 Preheating and post heat treatment are usually not necessary.
 The interpass temperature should not exceed 150 °C.

Approvals

TÜV (No. 05551), GL

Wire diameter [mm]	Current type	Shielding gas (EN ISO 14175)
1.0	DC (+)	M 12
1.2	DC (+)	M 12