

Arcaloy 430Nb

Application

- Arcaloy 430M is a composite wire designed to match the corrosion resistance and mechanical properties of ferritic stainless steel (STS 409, 410, 430 etc) Actually it has a strong point of the corrosion resistance by 17%Cr content in the weld metal and of the mechanical properties by a fine ferrite crystal structure in the weld metal. So it is very useful to welding of automotive exhaust systems. The 80%Ar/20%CO₂ shielding gas is recommended for the good weldability.

Shielding Gas : 80%Argon/20%CO₂

Typical Mechanical Properties of All Weld Metal

Yield Point N/mm ² {kgf/mm ² }	Elongation (%)
510 {52}	25

Typical Undiluted Weld Metal Analysis %

C	Mn	Si	P	S	Cr	Nb
0.024	0.307	0.180	0.009	0.007	17.0	0.52