



Techalloy 430LNb

Description

Techalloy 430LNb is Stabilized ferritic stainless steel, which offers superior mechanical properties to 430 grade. In addition, its fatigue resistance is also higher which lead to its use in automotive exhaust systems. Welding should be done with low heat input for maximum performance.

Specifications & Approvals:

ISO 14343:2009 (18 L Nb)

Typical Chemical Composition

C	Mn	Si	Cr	Mo	Ni	Nb	N	S	P	Cu	FN
.01	.51	.40	18.2			.40		.008	.020		

Typical Mechanical Properties

Tensile Strength		
Yield Strength		
Elongation		

Welding Parameters

	Shielding	Gas Flow	Diameter	Voltage	Amperage
Mig Welding	98/99% Argon + 2/1% Oxygen 97% Argon + 3% CO2	30 to 50 CFH	.035" (0.9mm) .045" (1.14mm) .062" (1.6mm))	26 to 29 28 TO 32 29 TO 33	160/210 180/250 200/280
Tig Welding	100% Argon				
SubArc Welding - (not recommended)					

Standard Packages:

Mig Wire– 33# wire basket	Tig Wire– 10# tube/30# Master Carton	
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