

GEN 430LNb Welding Wire and Rod

GEN 430LNb is a stabilized ferritic stainless steel filler metal offering superior mechanical properties to GEN 430. Due to its excellent fatigue resistance, GEN 430LNb is often used in automotive industry.

CONFORMANCES

AWS A5.9	:	ER430LNb
ASME SFA-5.9	:	ER430LNb
UNS	:	--

AWS CHEMICAL COMPOSITION (TYPICAL)

%C	%Cr	%Ni	%Mo	%Mn	Nb
0.03 max	15.5 – 17.0	0.60 max	0.75 max	0.60 max	8xC to 1.2
%Si	%P	%S	%Cu	Total Others	
0.50 max	0.03 max	0.03 max	0.75 max	0.50 max	

TYPICAL WELD METAL MECHANICAL PROPERTIES

Tensile Strength	:	74,000 psi	510 MPa
Yield Strength	:	60,000 psi	413 MPa
Elongation	:	25 %	

TYPICAL WELDING PARAMETERS

Process	Diameter		Voltage	Amperage	Gas/Flux
TIG (GTAW)	1/16"	1.6 mm	14 – 17	90 – 130	100% Ar
	3/32"	2.4 mm	15 – 20	125 – 175	100% Ar
MIG (GMAW)	.035"	0.9 mm	28 – 33	160 – 180	98%Ar – 2%O ₂
	.045"	1.1 mm	28 – 33	170 – 190	98%Ar – 2%O ₂
	.062"	1.6 mm	28 – 33	190 – 210	

*All parameters are suggested as basic guidelines only and will vary depending on joint design, number of passes and other factors.

IMPORTANT: SPECIAL VENTILATION AND/OR EXHAUST REQUIRED BEFORE USE, READ AND UNDERSTAND THE SAFETY DATA SHEET (SDS) FOR THIS PRODUCT AND SPECIFIC INFORMATION PRINTED ON THE PRODUCT CONTAINER.
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