

# AK ER316LMn

## Description:

ER316LMn is a low-carbon stainless steel welding wire with molybdenum and manganese additions, designed for improved weldability, toughness, and crack resistance. It provides stable arc performance, smooth metal transfer, and dependable corrosion resistance for demanding stainless steel fabrication work.

## Application Scenario:

ER316LMn is suitable for stainless tanks, pipelines, structural fabrications, and industrial equipment exposed to corrosive media. It is often used in chemical, marine, and processing applications where reliable weld quality, good toughness, and consistent corrosion resistance are important.

## Typical Chemical Composition(%):

	C	Cr	Ni	Mo	Mn	Si	P	S	Cu
<b>Requirement</b>	0.03	19.0-22.0	15.0-18.0	2.50-3.50	5.0-9.0	0.30-0.65	0.030	0.030	0.75
<b>Actual Result</b>	0.01	21.30	16.82	2.85	7.68	0.60	0.015	0.015	0.20

## Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
<b>Requirement</b>	550		20	
<b>Actual Result</b>	620		28	