SUPERCORE 316LP

Supercore 316LP is recommended for welding Mo bearing austenitic stainless steels with 1.5 – 3% Mo. They are also suitable for Ti or Nb stabilised and nitrogen-bearing or free machining versions of the above alloys. Type 316/316L steels are widely used for their good resistance to pitting, many acids and general corrosion.

CLASSIFICATIONS

AWS	A5.22	E316LT1-4
BS EN	12073	T19 12 3 L P M 2

CHEMICAL ANALYSIS

% Carbon	0.030	**% Chromium**	19.00
% Manganese	1.300	**% Nickel**	12.00
% Silicon	0.500	**% Molybdenum**	2.700
% Sulphur	0.020	**% Copper**	0.100
% Phosphorous	0.020	**Ferrite**	8

TYPICAL MECHANICAL PROPERTIES ALL WELD METAL

Tensile Strength	580 MPa
0.2% Proof Stress	440 MPa
Elongation on 4d	40%
Impact Energy 20°C	70 J
Impact Energy -110°C	40 J

Microstructure
Austenite with a controlled level of ferrite, normally in the range 2-10FN depending on the application.

PACKING DATA

(DC+)

Diameter (mm)	Current (A)		Stickout (mm)	Item Number	Pack Mass (Kg)
	Amps	Volts			
1.20	120 - 250	20 - 32	15 - 20	081-110	15

Suggested Shielding Gas: Fluxshield

For more information contact the Afrox Customer Service Centre,
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