



Shield-Bright 316L

FCAW

Shield-Bright 316L is an all-position flux cored wire for welding types 316 stainless steel. Contains molybdenum, which resist pitting corrosion induced by sulphuric and sulphurous acids, chlorides and cellulose solutions. Used widely in the rayon, dye and paper making industries. Carbon content 0.04% maximum. Shield-Bright 316L is designed primarily for all position welding. Either pure CO₂ or mixed gas (75% Argon/25% CO₂) can be used.

Welding Current

DC (+)

Shielding Gas

CO₂ or 75% Argon/25% CO₂

PACKING/ORDERING INFORMATION			
Part Number	Dia (mm)	Carton Weight (kg)	Pallet Weight (kg)
VacPac			
35FA12248V	1.2	12.5	787.5
35FA16248V	1.6	12.5	787.5

CLASSIFICATIONS	APPROVALS	TYPICAL ALL WELD METAL COMPOSITION (%)			TYPICAL MECH. PROPERTIES ALL WELD METAL			
		Gas	CO ₂	75%Ar/25%CO ₂		As Welded CO ₂	As Welded 75%Ar/25%CO ₂	
<u>SFA/AWS A5.22</u> E316LT1-1/E316LT1-4 <u>EN 12073</u> T19 12 3 L P C 2 T19 12 3 L P M 2	ABS	E316LT1-1						
	LR	316L S	C	0.029	0.038	Yield Stress, Mpa Tensile Strength, MPa Elongation, %		
	DNV	316L MS	Mn	1.1	1.3		430	456
	NK	KW316LG (C)	Si	0.8	0.9		570	595
	KR	RW316LG (C)	Cr	18.3	18.5		42	42
	BV	316L	Ni	12.3	12.3			
			Mo	2.5	2.5			
		FN	6	6				

