



Changzhou Giant Welding Co.,Ltd
www.giantweld.com

Standard : AWS A5.22 E308LT1-5	Chemical Composition %								
	C	M n	Si	Ni	Cr	Mo	Cu	S	P
Grade E308LT1-5	≤ 0.04	0.5 ~ 2.5	≤ 1.0	9.9 ~ 11.0	18.0 ~ 21.0	≤0.50		≤0.03	≤ 0.04
Type	Spool (MIG)								
Specification (MM)	0.8、 0.9、 1.0、 1.2、 1.6			Pack	S100/1kg S200/5kg S270,S300/12.5kg-20kg				
Mechanical Properties	Rm / MPa				A(%)				
	≥ 520				≥ 35				
MIG Welding	(MM)	1.2			1.6				
	Current - A	120 ~ 250			160 ~ 300				
Application	<div><div><div><div>● Welding of Austenitic Stainless Steels, particularly for high integrity applications: It's used for joining similar alloys like 304, 304L, 308, and 308L. The "L" indicates low carbon, providing excellent resistance to intergranular corrosion. The "T1-5" often signifies enhanced mechanical properties and crack resistance, making it suitable for more critical applications.</div></div><div><div>● Applications requiring excellent weld metal toughness and crack resistance: The "5" in the classification often implies a basic or low-hydrogen slag system, which is beneficial for achieving superior impact toughness and reducing susceptibility to cracking, especially in demanding environments.</div></div><div><div>● Heavy fabrication and pressure vessel applications: Due to its superior mechanical properties and often good all-position welding characteristics, it's used for critical components in industries such as chemical processing, power generation, and nuclear engineering, where weld integrity is paramount.</div></div></div></div>								

