

**Classifications**

EN ISO 14343-B:2009	: SS 420	JIS Z 3321:2013	: YS420
AWS A5.9-2012	: ER420		

**Description**

- MIG welding of 12%Cr martensite stainless steels. (AISI 420)
- It's used for surfacing of sealing faces of valves for gas, water and steam piping system at service temperatures up to 450°C

**Typical chemical composition of wire (%)**

C	Si	Mn	Ni	Cr
0.33	0.39	0.40	0.16	12.56

**Typical mechanical properties of all-weld metal**

	Y.S (MPa)	T.S (MPa)	El. (%)	Remark
EN ISO 14343	min. 250	min. 450	min. 15	PWHT
Example	310	510	20	

\* PWHT : Heat to 840~870°C, for 2h, Furnace cooling down to 600°C, then air cooling