



AV 935

AV 935 is special brand name of Varzene Metal. It is improved for glass mold industry needs. AV 935 supplies in glass mold below characteristic properties

- Higher corrosion resistance
- Lower stickness of glass to mold
- Harder than incoloy 925 after aging.

AV 935

Cr	Mn	Cu	Si	C	P	S	Fe	Ni	Mo	Ti	Al	Nb
19,5 22,5	max 1,0	1,5 3,0	max 1,0	Max 0,03	max 0,04	max 0,03	Min 22,0	42,0 46,0	2,5 3,5	1,9 2,4	0,1 0,5	Max 0,5

*** **The chemical analyse is nearly same with incoloy 925. With higher Mo include and optimization of all analyse, it has longer life as glass mold.

density (kg/dm³) 8,08

magnetizability no

thermal conductivity at 20 °C (W/m K) 25

specific heat capacity at 20 °C (J/kg K) 460

thermal expansion (K⁻¹)

20 – 100 °C: 10.0 x 10⁻⁶

20 – 200 °C: 10.5 x 10⁻⁶

20 – 300 °C: 10.5 x 10⁻⁶

20 – 400 °C: 10.5 x 10⁻⁶

	Yield Strength (Mpa) (20 C)	Tensile Strength (Mpa) (20 C)	Elongation A5 (%)	Hardness
Solution Annealed	271	685	56	76 HRB
Solution Annealed and Aged	832	1154	24	34 HRC