

## TALL935

TALL935 is special brand name of TEI Alloys. It is improved for glass mold industry needs. TALL935 supplies in glass mold below characteristic properties

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

### TALL935

| Cr           | Mn         | Cu         | Si         | C           | P           | S           | Fe          | Ni           | Mo         | Ti         | Al         | Nb         |
|--------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------|------------|------------|------------|------------|
| 19,5<br>22,5 | max<br>1,0 | 1,5<br>3,0 | max<br>1,0 | Max<br>0,03 | max<br>0,04 | max<br>0,03 | Min<br>22,0 | 42,0<br>46,0 | 2,5<br>3,5 | 1,9<br>2,4 | 0,1<br>0,5 | Max<br>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/dm<sup>3</sup>) 8,08

magnetizabilityno

thermal conductivityat 20 °C (W/m K) 25

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

thermal expansion (K<sup>-1</sup>)

20 – 100 °C: 10.0 x 10<sup>-6</sup>

20 – 200 °C: 10.5 x 10<sup>-6</sup>

20 – 300 °C: 10.5 x 10<sup>-6</sup>

20 – 400 °C: 10.5 x 10<sup>-6</sup>

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

The information given in this data sheet about the condition or availability of the material is not a guarantee for its properties, it only serves as a statement. The information provided is suitable for our own experience as well as for general experience. No guarantee is given for the processing and application results of the products.