

### Standards

UNS	Alloy
R60704	Zr 704

### Description

Zirconium Zr 704 is a zirconium alloy with tin content.

### Special properties

Excellent resistance to high corrosive environments such as highly concentrated acids and alkaline solutions. High ductility.

### Chemical Composition

C %	Cr %	N %	Zr %	Fe %		
≤ 0.05	0.20 - 0.40 incl. Fe	≤ 0.025	97.5 (incl. Hf max. 4.5%)	0.20 - 0.40 incl. Cr		
<table border="1"> <thead> <tr> <th>Sn %</th> </tr> </thead> <tbody> <tr> <td>1.00 - 2.00</td> </tr> </tbody> </table>					Sn %	1.00 - 2.00
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### Mechanical Properties 20°C

0.2% Yield strength $R_p \geq$ N/mm <sup>2</sup>	Tensile strength $R_m$ N/mm <sup>2</sup>	Elongation $A_5 \geq$ %	Modulus of elasticity kN/mm <sup>2</sup>
250	≥ 420	14	95

### Physical Properties 20°C

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K
6.5	280	17.1

### Application

Chemical industry

### Available forms for Zirkonium Zr 704 / R60704

Sheets/Plates	Bars	Wire	Tubes/Pipes	Forged / cast parts	Finished part (drawing)
					