

### Standards

UNS	Alloy
R60700	Zr 700

### Description

Zirconium Zr 700 is a low oxygen unalloyed zirconium.

### Special properties

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

### Chemical Composition

C %	Cr %	N %	Zr %	Fe %
≤ 0.05	≤ 0.20 incl. Fe	≤ 0.025	99.2 (incl. Hf max. 4.5%)	≤ 0.20 incl. Cr

### Mechanical Properties 20°C

0.2% Yield strength $R_p$ ≥ N/mm <sup>2</sup>	Tensile strength $R_m$ N/mm <sup>2</sup>	Elongation $A_5$ ≥ %	Modulus of elasticity kN/mm <sup>2</sup>
205	≥ 380	16	99

### Physical Properties 20°C

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K
6.5	285	22

### Application

Chemical industry

### Available forms for Zirconium Zr 700 / R60700

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