



Zirconium Zr 704

R60704

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
Sn %				
1.00 - 2.00				

Mechanical Properties 20°C

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

Physical Properties 20°C

Density g/cm ³	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)