



Zirconium Zr 702

R60702

Standards

UNS	Alloy
R60702	Zr 702

Description

Zirconium Zr 702 is an unalloyed zirconium.

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 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 ²	Tensile strength R_m N/mm ²	Elongation A_5 ≥ %	Modulus of elasticity kN/mm ²
205	≥ 380	16	99

Physical Properties 20°C

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

Application

Chemical industry, nuclear industry, medical industry

Available forms for Zirconium Zr 702 / R60702

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