

Zirconium

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.

Application - Chemical industry, nuclear industry, medical industry.

Chemical Composition in %

C	Cr	N	Zr	Fe
≤0.05	≤0.20 incl. Fe	≤0.025	99.2 (incl. Hf max. 4.5%)	≤0.2 incl. Cr

Standards	
UNS	R60702
Alloy	Zr 702

Mechanical Properties 20 °C	
0,2% Yield strength Rp, N/mm ²	≥205
Tensile strength Rm, N/mm ²	≥380
Modulus of elasticity, kN/mm ²	99
Elongation A5, %	≥16

Physical Properties 20 °C	
Density, g/cm ³	6.5
Specific heat capacity, J/kg K	285
Thermal conductivity, W/m K	22

Our products	
Sheets	Thickness: 0.025 - 50mm; max. width: 1500mm
Round bars	Ø2 - 300mm; max. length: 6000mm
Wires	Ø 0.05 - 10.0mm
Tubes	OD 3 - 325 mm