

1.4713

Brand name | SICRO 8

Standards	Material No.	EN Designation
	1.4713	X10CrAlSi7

Description | 1.4713 is a heat resistant ferritic chromium stainless steel with aluminum in addition.

Special properties | Resistant to scaling up to 800°C. Resistant to oxidizing sulphuric gases. Good machinability.

Chemical Composition	C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
	≤ 0.12	0.50-1.00	1.00	0.04	0.015
	Cr %	Al %			
	6.00-8.00	0.50-1.00			

Mechanical Properties 20°C	Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Resistant on air up to °C
	192	220	420-620	20	800
	Modulus of elasticity kN/mm ²				
	215				

Physical Properties 20°C	Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
	7.7	450	23	0.69

Suitable welding filler materials | 1.4551; 1.4716; 1.4723; 1.4820; 1.4829

Application | Furnace and apparatus engineering

Available forms for 1.4713 /	Sheets/Plates	Bars	Tubes/Pipes	Fittings	Forged / cast parts	Finished part (drawing)
						