

Brand name | Nickel 270

Trade name | Alloy 270

Material No.	EN Designation	UNS	Alloy
2.4050	Ni 99,8	N02270	270

Description | Alloy 270 / Alloy 270 is a pure nickel alloy.

Special properties | Low base hardness and high ductility.

C %	Si ≤ %	Mn ≤ %	S ≤ %	Ni %
≤ 0.02	0.005	0.005	0.003	Rest
Ti ≤ %	Cu %	Fe %		
≤ 0.005	≤ 0.01	≤ 0.05		

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
110	≥ 340	50	207

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.91	460	86	0.075

Application | Electrical resistance thermometers, various other electrical and electronic applications

Available forms for 2.4050 / ALLOY 270

