

INDUCPHY 230

Typical analysis	Related standards	Main features	Typical applications and related strip thickness	
50Ni - 10Cr - Fe	-	Controlled Curie temperature, Improved corrosion resistance, High permeability, high electrical resistivity	Induction cooking Watch step motor parts	0,5 to 0,7 mm

- **Magnetic properties after optimal final heat treatment (at temperature T = 20 C)**

Typical values				Some useful guaranteed values
μ_j	μ_m	Hc (A/cm)	Hc (A/cm)	
-	25 000	0,036	7,5	Tc type = 230 C

- **Mechanical properties**

Hard temper for blanking			Hard temper for blanking			Some mechanical values on parts after final heat treatment
HV	TS (Mpa)	EL (%)	HV	TS (Mpa)	EL	
240	800	-	125	500	40	-

- **Other typical values**

Density g/cm ³	Resistivity at 20 $\mu\Omega\text{cm}$	Curie Temperature C	Thermal expansion 10 ⁻⁶ /C
8,1	100	230	10,5