

## Soft magnetic

# PHYTHERM 260

PHYTHERM 260 is an iron-nickel-copper-chromium soft magnetic alloy suitable for cookware for induction cooking. The maximum working temperature is controlled by an adapted ferromagnetic alloy with a specific Curie point.

### International standards

IEC 404

### Chemical composition

Elements (% weight)	Ni	Cr	Fe
Typical value	50	9	Bal

### Standard delivery & dimensions available

Form*	Coil - Sheet - Disc
Thickness (mm / ')	0.30-1 / .012- .0394
Width (mm / ')	10-640 / .4-25.2
Length (mm / ')	500-3500 / 19.7-137.8
Temper	Soft / Hard

\* Depending on thickness, width or diameter & temper

### Mechanical properties (typical values)

Temper	Hardness Hv	Grain size	Tensile strength (MPa - KSI)	Yield strength (MPa - KSI)	Elongation %	Young modulus (MPa - KSI)
Soft	125	8	500 - 72	-	40	-
Hard	230	-	800 - 116	-	3	-

Typical values for material to be tested in accordance with NF EN 10002, NF EN ISO 6507, NFA 04102

### Available Forms

PHYTHERM 260 is delivered in cold rolled strip. Contact us for other specific formats.

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The data enclosed in this document are given as indicative values and correspond to our standard product.

Different specific requirements are subject to discussion and formal approval by Aperam Alloys Imphy. For further information or special request, please contact us.

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[www.aperam.com](http://www.aperam.com)  
[nickel.alloys@aperam.com](mailto:nickel.alloys@aperam.com)



Aperam Alloys Imphy  
 B.P. 1  
 Avenue Jean Jaurès  
 F- 58160 Imphy

Aperam Alloys Imphy