

Cold Rolled Strip

Thermostatic bimetal (Corrosion resistance and protection)



Aperam bimetals "IN540" find very wide application regarding its corrosion resistance, and is suitable for use in contact with water or steam atmosphere.

International standards

DIN-1715 , ASTM-B388

Typical Chemical composition

Passive Component	Fe Ni38 Cr7
Intermediate layer	-
Active Component	Fe Ni19 Cr7

Standard Delivery & dimensions available

Form of delivery	Marking	Thickness	Width	Length	Temper
<ul style="list-style-type: none"> Strip in standard coil Traverse wound spool Sheet 	By Etching Or Stamping	0.10 to 2.0 mm	1.0 to 200 mm	500 to 3500 mm	Hard

Nominal values at room temperature

Aperam designation	Designation DIN (ASTM)	Spec thermal curvature (10e-06/K)	Spec thermal deflection (10e-06/K)	Linearity range (°C)	Upper limit (°C)	Electrical resistivity μΩ.m	Density g/cm3
IN540	-	18.5 +/-4%	10.0	-20 to +200	500	0.85 +/-5%	8.1

The data enclosed in this document are only 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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