

Cold Rolled Strip

Thermostatic bimetal (high linearity range)



bimetal

Description, standards & chemical

Aperam BIMETALS “BS... series” find very wide application regarding its large linearity range deflection at high temperature, and its good transformation.

International standards

DIN-1715, ASTM-B388

Chemical composition (% weight)

Passive Component	Fe Ni42
Intermediate layer	Copper
Active Component	Fe Ni20 Mn6

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
IMPHY BS	TB1170A	22.0 +/-4%	11.7	-20 to +380	450	0.70 +/-4%	8.1
IMPHY BS9	TB1109	21.8 +/-4%	11.6	-20 to +380	450	0.09 +/-5%	8.2

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.

Aperam Alloys Imphy

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

nickel.alloys@aperam.com
www.aperam.com