Cold Rolled Strip

Thermostatic bimetal (large temperature range)

Aperam bimetals “AS… series” find very wide application regarding its high constant deflection, and its good transformation performance.

International standards

DIN-1715 , ASTM-B388

Chemical composition

Passive Component	Fe Ni36
Intermediate layer	Nickel Copper
Active Component	Fe Ni20 Mn6

Standard Delivery & dimensions available

Form of delivery	Marking	Thickness	Width	Length	Temper
• 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
AS	TB1577A (TM29)	28.5 +/-4%	15.5	-20 to +200	450	0.78 +/-5%	8.1
AS55	TB1555	28.2 +/-4%	15.0	-20 to +200	450	0.55 +/-5%	8.2
AS35	TB1435	27.4 +/-4%	14.8	-20 to +200	450	0.35 +/-5%	8.3
AS25	TB1425	26.1 +/-4%	14.0	-20 to +200	450	0.25 +/-5%	8.3
AS11	TB1511	27.8 +/-4%	15.0	-20 to +200	400	0.11 +/-7%	8.2
AS6	TB1406	26.9 +/-4%	14.5	-20 to +200	400	0.06 +/-7%	8.4

The data enclosed in this document are only given as indicative values and correspond to our standard product. Different specific requirement are subject to discussion and formal approval by Aperam Alloys Imphy. For further information or special request, please contact us

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