

BGH NicraTHERM 60-15

Material Designation

Alloy 60/15
N06003 UNS
2.4867 DIN

Standards

ASTM B344
DIN 17470
DIN 17742

Chemical Composition Mass-%

	C	Si	Mn	P	S	Cr	Ni	Cu	Fe	Al
min.	-	1,00	-	-	-	14,0	59,0	-	19,0	-
max.	0,15	1,75	1,00	0,020	0,010	17,0	Balance	0,50	25,0	0,30

Customer specific restrictions upon request

Properties

BGH NicraTHERM 60-15 is an austenitic, high-temperature resistant Ni-Fe-Cr-alloy. The material is characterized by high electrical resistivity in combination with good scaling resistance and dimensional stability. It retains its good ductility even after use. The grade offers excellent weldability.

Delivery Condition

- ✘ annealed (+A)
- ✘ bright drawn

Supply form

Wire (on spool up to 3mm, coils, casks)
Bright bars

Mechanical Properties room temperature

Dimension [mm]	Tensile strength		Elongation [%]
	[ksi]	[N/mm ²]	
0,063 - 2,00	≥ 107	≥ 740	≥ 25
> 2,00	≥ 101	≥ 700	≥ 30

Physical Properties acc. to DIN 17470

Temperature [°F]	68	392	752	1112	1472	1832	2192
Electrical resistivity [Ω mm ² /m]	1,13	1,16	1,20	1,21	1,22	1,24	1,28
Thermal conductivity [W/m·K]	13,0						
Specific heat capacity [kJ/kg·K]	0,46					0,50	
Melting temperature [°F]	2534						
Density [g/cm ³]	8,2						

Temperature [°F]	68-392	68-1472	68-1832
Thermal expansion coeff. x [10 ⁻⁶ /K]	15	16	17

¹Temperature valid for wire > 2 mm in air.

Quality

- ISO 9001
- ISO 14001
- ISO 50001
- Approvals acc. to standards like ABS, BV, DNV ...
- Customer specific approval certificates

Innovation

- Fully automated ultrasonic testing up to dia. 37.4"
- CO₂-reduction by innovative heat treatment solutions

Flexibility

- Product range from fine wire to forging
- Directly from stock close at hand

Individuality

- Dimensions
- Tolerances
- Surface qualities
- Delivery conditions

Your personal contact:

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