

Technical datasheet

Nickel 270 / W-Nr. 2.4050

An extremely high purity nickel grade produced through a powder metallurgy route.

Available products

Product form
Sheet/plate
Bar

Size range from
0.2 mm thickness
55 mm diameter

Size range to
5.8 mm thickness

Chemical composition (%)

Ni	Co	Fe	Mn	S	Ti	Mg	Si	C
99.9 min	0.01 max	0.05 max	0.003max	0.003max	0.005max	0.005max	0.005max	0.02 max

Major specifications

UNS N02270

Physical properties

Density 8.91 g/cm³
Melting point 1454 °C

Mechanical properties – typical room temperature properties

Yield strength 110 MPa
Tensile strength 345 MPa
Elongation 50 %

Key attributes

Owing to its high purity and the unique manufacturing process Nickel 270 has a “clean” microstructure and is essentially free from non-metallic inclusions. It has a low hardness and high ductility.

Applications

Electrical and electronic components
Electrical resistance thermometers
Electrolytic cell anodes

Do you require further information or a quotation?
Please contact us...
info@bibusmetals.com
www.bibusmetals.com

BIBUS METALS
SUPPORTING YOUR SUCCESS