

ATLAS BALL & BEARING CO LIMITED

NICKEL 200 BALL DATA SHEET

Attributes

Commercially pure (typically 99.6% Ni) nickel, has good mechanical properties and excellent corrosion resistance to alkalis i.e. sodium hydroxide. It also has good electrical, thermal and magnetostrictive properties

Specification with equivalents

Nickel 200®
DIN 2.4060
DIN 2.4066
UNS N02200
Alloy 200

Chemical Analysis %

Ni	99.0 min	C	0.15 max
Cu	0.25 max	Fe	0.40 max
Mn	0.35 max	Si	0.35 max
S	0.01 max		

Typical uses/applications

Food and synthetic fibre processing, heat exchangers, chemical and electrical industries

Mechanical/physical properties

Hardness	140-230 HB
Tensile strength Annealed	400 – 500 Mpa
Hard drawn	700 – 900 Mpa
Specific gravity (density)	8.89 g/cm ³ (0.321 lb/in ³)
Melting point	1435-1446° C
Coefficient of Expansion	13.3µm/m·°C (20-100°C)
Modulus of rigidity	81kN/mm ²
Modulus of elasticity	204kN/mm ²

www.atlasball.co.uk

Nickel 200 is a trade name of Special Metals Group of Companies
Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet.

Issue 1 : Dated 19.07.10