

# N

# Neodymium

High Purity Metal

## Characteristics

- ✓ Corrosion-resistant
- ✓ Good Tensile Strength
- ✓ Low toughness
- ✓ Ductile and malleable
- ✓ Good conductivity

## Quick Facts

Molecular Formula	:	Nd
Molecular Weight	:	144.24g/mol
Density	:	6.80g/cm <sup>3</sup>
Melting Point	:	1024 °C
Boiling Point	:	3100°C
Thermal Conductivity	:	0.165W/(mK)
Electrical Resistivity	:	64.0 nΩm (at 20 °C)
Thermal Expansion	:	6.89μm/(mK) (at 25 °C)
Young's Modulus	:	41.4GPa
Specific Heat	:	0.049 Cal/g/K @ 25 °C

**Purity : 99.5%**

**Neodymium** Magnets are the world's strongest magnets. Neodymium rod magnets are strong, versatile rare-earth magnets that are cylindrical in shape, where the magnetic length is equal to or larger than the diameter. They are built for applications where high-magnetic strength is required in compact spaces and can be recessed into drilled holes for heavy-duty holding or sensing purposes.

## Benefits

- ✓ Crafting & metal working applications to exhibition displays
- ✓ Audio equipment
- ✓ Sensors, motors, generators
- ✓ Medical instruments, magnetically coupled pumps
- ✓ Hard disk drives
- ✓ OEM equipment and much more

High Purity

# Neodymium

Available in:

**Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules**



202ICE4589C



19ZAZG01274G



202ICE4588M

ISO 9001:2015  
CERTIFIED COMPANY



60 **Nd**  
144.243

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