

## Goodfellow Nickel 78/Boron 14/Silicon 8 Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy

**Material Notes:**

Information provided by Goodfellow.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Goodfellow-Nickel-78Boron-14Silicon-8-Alloy.php](http://www.lookpolymers.com/polymer_Goodfellow-Nickel-78Boron-14Silicon-8-Alloy.php)

Physical Properties	Metric	English	Comments
Density	8.00 g/cc	0.289 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Vickers Microhardness	850	850	kg(f)/mm <sup>2</sup>
Tensile Strength at Break	1500 - 2000 MPa	218000 - 290000 psi	
Tensile Modulus	150 GPa	21800 ksi	

Thermal Properties	Metric	English	Comments
Crystallization Temperature	450 °C	842 °F	
Maximum Service Temperature, Air	200 °C	392 °F	

Component Elements Properties	Metric	English	Comments
Boron, B	14 %	14 %	
Nickel, Ni	78 %	78 %	
Silicon, Si	8.0 %	8.0 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000900 ohm-cm	0.0000900 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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