

## Goodfellow Nichrome®, Tophet A® Nickel 80 Chromium 20 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-Nichrome-Tophet-A-Nickel-80-Chromium-20-Alloy.php](http://www.lookpolymers.com/polymer_Goodfellow-Nichrome-Tophet-A-Nickel-80-Chromium-20-Alloy.php)

Physical Properties	Metric	English	Comments
Density	8.40 g/cc	0.303 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	650 - 1100 MPa	94300 - 160000 psi	
Elongation at Break	<= 40 %	<= 40 %	

Thermal Properties	Metric	English	Comments
CTE, linear	14.0 µm/m-°C	7.78 µin/in-°F	
	@Temperature 20.0 - 100 °C	@Temperature 68.0 - 212 °F	
Thermal Conductivity	13.4 W/m-K	93.0 BTU-in/hr-ft <sup>2</sup> -°F	
Melting Point	1400 °C	2550 °F	
Maximum Service Temperature, Air	1150 - 1250 °C	2100 - 2280 °F	

Component Elements Properties	Metric	English	Comments
Chromium, Cr	20 %	20 %	
Nickel, Ni	80 %	80 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000108 ohm-cm	0.000108 ohm-cm	Temperature Coefficient of 0.00005/K

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China