

Goodfellow Platinum 94/Rhodium 6 Thermocouple Alloy

Category : Metal , Nonferrous Metal , Precious Metal , Platinum Alloy

Material Notes:

Information provided by Goodfellow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-Platinum-94Rhodium-6-Thermocouple-Alloy.php

Physical Properties	Metric	English	Comments
Density	20.55 g/cc	0.7424 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	70 - 130	70 - 130	
Tensile Strength at Break	300 - 610 MPa	43500 - 88500 psi	
Elongation at Break	<= 10 %	<= 10 %	

Thermal Properties	Metric	English	Comments
Melting Point	1825 - 1835 °C	3317 - 3335 °F	
Solidus	1825 °C	3317 °F	
Liquidus	1835 °C	3335 °F	

Component Elements Properties	Metric	English	Comments
Platinum, Pt	94 %	94 %	
Rhodium, Rh	6.0 %	6.0 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000192 ohm-cm	0.0000192 ohm-cm	Temperature Coefficient of 0.0017/K

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