

Special Metals Udimet® 500 Nickel Alloy Composition Spec (UNS N07500) (discontinued **)

Categories: [Metal](#); [Nonferrous Metal](#); [Nickel Alloy](#)

Material Notes: Precipitation Hardening Alloy

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Component Elements Properties	Metric	English	Comments
Aluminum, Al	3.0 %	3.0 %	
Boron, B	0.005 %	0.005 %	
Carbon, C	0.08 %	0.08 %	
Chromium, Cr	19 %	19 %	
Cobalt, Co	19 %	19 %	
Iron, Fe	<= 4.0 %	<= 4.0 %	
Molybdenum, Mo	4.0 %	4.0 %	
Nickel, Ni	48 %	48 %	
Titanium, Ti	3.0 %	3.0 %	

[References](#) for this datasheet.

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Materials flagged as discontinued (🚫) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.