

## Kennametal Stellite Nistelle® C-4C Nickel Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

**Material Notes:**

Comparable to Tribaloy Alloy 745. Data provided by the manufacturer, Deloro Stellite Inc.Product of former Deloro Stellite Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kennametal-Stellite-Nistelle-C-4C-Nickel-Alloy.php](http://www.lookpolymers.com/polymer_Kennametal-Stellite-Nistelle-C-4C-Nickel-Alloy.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	238	238	Converted from Rockwell C hardness.
Hardness, Knoop	279	279	Converted from Rockwell C hardness.
Hardness, Rockwell A	61	61	Converted from Rockwell C hardness.
Hardness, Rockwell B	100	100	Converted from Rockwell C hardness.
Hardness, Rockwell C	17 - 27	17 - 27	
Hardness, Vickers	245	245	Converted from Rockwell C hardness.
Tensile Strength, Ultimate	793 MPa	115000 psi	
Elongation at Break	25 %	25 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.050 %	<= 0.050 %	
Chromium, Cr	17 %	17 %	
Iron, Fe	<= 2.0 %	<= 2.0 %	
Molybdenum, Mo	16 %	16 %	
Nickel, Ni	63.5 %	63.5 %	As Remainder
Silicon, Si	<= 1.5 %	<= 1.5 %	

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