

## Kennametal Stellite Nistelle 625 Nickel Superalloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

**Material Notes:**

A nickel-chromium-molybdenum alloy with an addition of niobium that acts with the molybdenum to stiffen the alloy's matrix and thereby provide high strength without a strengthening heat treatment. The alloy resists a wide range of severely corrosive environments and is especially resistant to pitting and crevice corrosion. Used in chemical processing, aerospace and marine engineering, pollution-control equipment, and nuclear reactors. Information provided by Kennametal Stellite®.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kennametal-Stellite-Nistelle-625-Nickel-Superalloy.php](http://www.lookpolymers.com/polymer_Kennametal-Stellite-Nistelle-625-Nickel-Superalloy.php)

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	<= 25	<= 25	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Chromium, Cr	21.5 %	21.5 %	
Iron, Fe	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	9.0 %	9.0 %	
Nickel, Ni	>= 64.4 %	>= 64.4 %	as balance
Niobium, Nb (Columbium, Cb)	3.5 %	3.5 %	
Silicon, Si	<= 0.50 %	<= 0.50 %	

Descriptive Properties	Value	Comments
Application Technique	HVOF & thermal spray	
	PTA & laser deposition	

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