

## Kennametal Stellite Nistelle C Nickel Superalloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

### Material Notes:

Nistelle C is designed primarily for high corrosion resistance, and therefore used for pumps and valve parts etc. in the chemical industry, and is available both for hardfacing by welding and as castings. Nistelle C has excellent high temperature strength and resistance to oxidation, being extensively used for hardfacing drop forging dies. It is readily machinable. Information provided by Kennametal Stellite, Inc.

Order this product through the following link:

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	17 - 27	17 - 27	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.10 %	0.10 %	
Chromium, Cr	17 %	17 %	
Iron, Fe	6.0 %	6.0 %	
Molybdenum, Mo	17 %	17 %	
Nickel, Ni	>= 54.1 %	>= 54.1 %	as balance
Silicon, Si	<= 1.0 %	<= 1.0 %	
Tungsten, W	4.5 %	4.5 %	
Vanadium, V	0.30 %	0.30 %	

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

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