

Kennametal Stellite Nistelle 718 Nickel Superalloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

A precipitation-hardenable alloy. The alloy combines corrosion resistance and high strength with outstanding weldability including resistance to post weld cracking. The alloy has excellent creep-rupture strength at room temperatures to 1300°F (700°C). Applications include gas turbines, rocket motors, spacecraft, nuclear reactors, pumps and tooling. Information provided by Kennametal Stellite, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kennametal-Stellite-Nistelle-718-Nickel-Superalloy.php

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

Component Elements Properties	Metric	English	Comments
Chromium, Cr	21.5 %	21.5 %	
Cobalt, Co	<= 2.0 %	<= 2.0 %	
Iron, Fe	4.0 %	4.0 %	
Molybdenum, Mo	13.5 %	13.5 %	
Nickel, Ni	>= 55.85 %	>= 55.85 %	as balance
Tungsten, W	3.0 %	3.0 %	
Vanadium, V	0.15 %	0.15 %	

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

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