

Kennametal Stellite Nucalloy® 41 Nickel-Chromium-Boron Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Stood® 41 is a nickel-chromium-boron alloy. Stood 41 can be certified to meet MIL-N-24422 (ships) Composition A. Stood 41 derives its superior wear resistance from the presence of hard nickel borides - and to a lesser extent, chromium carbides - tightly held in a tough nickel-rich matrix. It is machinable with carbide tools and may be cast centrifugally or as a static casting. Information provided by Deloro Stellite Inc. Deloro Stellite uses both the names Nucalloy® 41 and Stood® 41 for this alloy. Product of former Deloro Stellite Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kennametal-Stellite-Nucalloy-41-Nickel-Chromium-Boron-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	42 - 52	42 - 52	

Component Elements Properties	Metric	English	Comments
Boron, B	2.0 %	2.0 %	
Carbon, C	0.50 %	0.50 %	
Chromium, Cr	12.5 %	12.5 %	
Iron, Fe	4.0 %	4.0 %	
Nickel, Ni	76 %	76 %	As Remainder
Other	1.0 %	1.0 %	
Silicon, Si	4.0 %	4.0 %	

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