

Kennametal Stellite Stellite® 251 Cobalt Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

Material Notes:

Kennametal Stellite's cobalt base alloys are available as cobalt rods, cobalt electrodes, cobalt wire and cobalt powder. Cobalt alloys are used primarily for wear applications and are particularly well-suited for hardfacing applications. Information provided by Kennametal Stellite.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kennametal-Stellite-Stellite-251-Cobalt-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	25 - 35	25 - 35	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.28 %	0.28 %	
Chromium, Cr	28 %	28 %	
Cobalt, Co	>= 47.97 %	>= 47.97 %	as balance
Iron, Fe	18 %	18 %	
Molybdenum, Mo	<= 1.0 %	<= 1.0 %	
Nickel, Ni	<= 1.0 %	<= 1.0 %	
Niobium, Nb (Columbium, Cb)	2.0 %	2.0 %	
Silicon, Si	0.75 %	0.75 %	
Tungsten, W	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Application Technique	PTA & laser deposition	

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