

MetalTek MTEK 6 UNS R30006 Cobalt Base Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

Material Notes:

Non-galling, heat and thermal shock resistance. Heat Resistance.Applications: Bearings and hot work sleeves, housings. Rocket engine parts
Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-6-UNS-R30006-Cobalt-Base-Alloy.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 690 MPa	>= 100000 psi	
Elongation at Break	>= 5.0 %	>= 5.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.90 - 1.4 %	0.90 - 1.4 %	
Chromium, Cr	27 - 31 %	27 - 31 %	
Cobalt, Co	52.1 - 68.6 %	52.1 - 68.6 %	As Balance
Iron, Fe	<= 3.0 %	<= 3.0 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	<= 1.5 %	<= 1.5 %	
Nickel, Ni	<= 3.0 %	<= 3.0 %	
Silicon, Si	<= 1.5 %	<= 1.5 %	
Tungsten, W	3.5 - 5.5 %	3.5 - 5.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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