

Weartech International WT-C Nickel Hardfacing & Wear Resistant Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Applications: seals, sleeves and dies, plastic extrusion, agitator bearings, pump impellers, ball valves
Information provided by Weartech International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Weartech-International-WT-C-Nickel-Hardfacing-Wear-Resistant-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	20 - 26	20 - 26	
Hardness, Vickers	150	150	
	@Treatment Temp. 760 °C	@Treatment Temp. 1400 °F	
	180	180	
	@Treatment Temp. 649 °C	@Treatment Temp. 1200 °F	
	185	185	
	@Treatment Temp. 538 °C	@Treatment Temp. 1000 °F	
	190	190	
	@Treatment Temp. 25.0 °C	@Treatment Temp. 77.0 °F	
	190	190	
	@Treatment Temp. 427 °C	@Treatment Temp. 800 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.12 %	0.12 %	
Chromium, Cr	16 %	16 %	
Iron, Fe	5.5 %	5.5 %	
Manganese, Mn	0.80 %	0.80 %	
Molybdenum, Mo	17 %	17 %	
Nickel, Ni	59.48 %	59.48 %	
Silicon, Si	0.80 %	0.80 %	
Vanadium, V	0.30 %	0.30 %	

Component Elements Properties

Metric

English

Comments

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