

Weartech International WT-25 Cobalt Hardfacing & Wear Resistant Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy

Material Notes:

Information provided by Weartech International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Weartech-International-WT-25-Cobalt-Hardfacing-Wear-Resistant-Alloy.php

Physical Properties	Metric	English	Comments
Density	9.13 g/cc	0.330 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	16 - 24	16 - 24	
Tensile Strength	1070 MPa	155000 psi	Heat Treated
Charpy Impact	>= 8.13 J	>= 6.00 ft-lb	

Thermal Properties	Metric	English	Comments
CTE, linear	16.4 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	9.10 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
Specific Heat Capacity	0.385 J/g- $^\circ\text{C}$	0.0920 BTU/lb- $^\circ\text{F}$	
Melting Point	<= 1410 $^\circ\text{C}$	<= 2570 $^\circ\text{F}$	
Liquidus	1410 $^\circ\text{C}$	2570 $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.10 %	0.10 %	
Chromium, Cr	20 %	20 %	
Cobalt, Co	50.9 - 53.9 %	50.9 - 53.9 %	
Iron, Fe	<= 3.0 %	<= 3.0 %	
Nickel, Ni	10 %	10 %	
Silicon, Si	1.0 %	1.0 %	
Tungsten, W	15 %	15 %	

Contact Songhan Plastic Technology Co.,Ltd.Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China