## Trimay® Wear Plate T161 Iron-based Steel Overlay

Category : Ceramic , Carbide , Metal , Ferrous Metal , Alloy Steel

## Material Notes:

Overlay Description: T161 is a iron-based steel overlay wear solution with a unique alloy composition designed to resist heavy wear under extreme temperature. This is Trimay's complex carbide overlay that deters corrosion and protects against abrasion even in extreme heat.Overlay Attributes: T161 consistently rates between 60-62 HRc for hardness, and only loses 0.11 g (+/-0.03) on ASTM G65-04 Procedure A mass loss test. The mixture of Chromium Iron, Niobium and Vanadium, plus Trimay's Sub Arc Welding process, forms a tight crystalline structure, giving T161 the ability to resist corrosion and heavy wear between temperatures of 4500 C & 6500 C. Common Application: T161 is primarily used for hot or corrosive wear environments. The Oil and Gas, Concrete and Power Industries are primarily where T161 is used. A variation of the T161, the T161i, has added nickel and is used for moderate-heavy impact environments.Information provided by Trimay®

## Order this product through the following link:

http://www.lookpolymers.com/polymer\_Trimay-Wear-Plate-T161-Iron-based-Steel-Overlay.php

Physical Properties	Metric	English	Comments
Thickness	8000 microns	315 mil	Standard(single pass)
	<= 14000 microns	<= 551 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	56 - 58	56 - 58	
K Factor (Wear Factor)	0.080 - 0.14	0.080 - 0.14	[g], 6000 cycles mass loss; ASTM G65-04 Procedure A

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 4.0 %	<= 4.0 %	
Chromium, Cr	<= 22 %	<= 22 %	
Iron, Fe	>= 57.5 %	>= 57.5 %	
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	<= 6.0 %	<= 6.0 %	
Niobium, Nb (Columbium, Cb)	<= 6.0 %	<= 6.0 %	
Tungsten, W	<= 2.0 %	<= 2.0 %	
Vanadium, V	<= 1.0 %	<= 1.0 %	

**Descriptive Properties** 

Value

Comments



Substate Material Descriptive Properties	44W(or 300W) steel Value	Comments
	516 Grade 70 for pressure	
	Stainless Steel	

## 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