

Trimay® Wear Plate T170 Nickel-based Steel Overlay

Category : Metal , Nonferrous Metal , Nickel Alloy , Tungsten Alloy

Material Notes:

Overlay Description: T170 is at the top of Trimay's product list. T170 is a nickel-based steel overlay wear solution with a unique proprietary alloy composition designed to withstand heavy impact and severe wear environments. T170 is unrivalled in wear resistance and impact resistance. The T171 (numerically higher only because it is Trimay's latest attempt to match T170 performance in a lighter, more economical fashion) tries, but falls short.
Overlay Attributes: T170 consistently rates between 46 - 50 HRC for hardness, and only loses 0.05 g (+/-0.03) on ASTM G65-04 Procedure A mass loss test. T170's Nickel Chrome Iron Matrix (NCIM), with Macrocrystalline Tungsten Carbide (MTC) and other elements added, forms this wearable nickel-based alloy. Furthermore, because MTC carbides do not degrade throughout the overlay application process, the finished overlay keeps ductility and is able to absorb impact rather than fracture.
Common Application: T170 is used in intense wear environments, most commonly in areas exposed to frequent direct impact and intense wear. It is always economical.
 Information provided by Trimay®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trimay-Wear-Plate-T170-Nickel-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	46 - 50	46 - 50	
K Factor (Wear Factor)	0.020 - 0.080	0.020 - 0.080	[g], 6000 cycles mass loss; ASTM G65-04 Procedure A

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 1.4 %	<= 1.4 %	
Chromium, Cr	<= 1.8 %	<= 1.8 %	
Iron, Fe	<= 8.6 %	<= 8.6 %	
Nickel, Ni	<= 56 %	<= 56 %	

Descriptive Properties	Value	Comments
Substrate Materials	44W(or 300W) steel	
	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