

Trimay® Wear Plate T157 Iron-based Steel Overlay

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

Material Notes:

Overlay Description: T157 is a iron-based steel overlay wear solution with a unique proprietary chemical composition designed to withstand heavy wear environments exposed to mild-moderate direct impact. T157 is the top-performing chromium carbide wear plate on the market. It has a smooth surface, like T138 and T156 overlays, plus extra Chromium and Manganese gives T157 up to 30% more wear resistance than the T156. **Overlay Attributes:** T157 consistently rates between 56 - 58 HRc for hardness, and only loses 0.13 g (+/-0.03) on ASTM G65-04 Procedure A mass loss test. T157 has a slick drag coefficient of 0.185 to deter material buildup, and it lasts up to 30% longer than Trimay's T156. **Common Application:** T157 is the best wearing chromium carbide overlay offered and it performs best in heavy wear environments exposed to mild or moderate direct impact. T157 wears longer than Trimay's other chrome overlays (T138 & T156), and, in some cases, it is more practical than using complex or tungsten wear plates (like Trimay's T161 or T170) which sometimes overperform and outlive their purpose. T157 is often used for coal handling and conveyor applications. Information provided by Trimay®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trimay-Wear-Plate-T157-Iron-based-Steel-Overlay.php

Physical Properties	Metric	English	Comments
Thickness	8000 microns	315 mil	Standard(single pass)
	<= 17000 microns	<= 669 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	56 - 58	56 - 58	
K Factor (Wear Factor)	0.10 - 0.16	0.10 - 0.16	[g], 6000 cycles mass loss; ASTM G65-04 Procedure A

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 4.0 %	<= 4.0 %	
Chromium, Cr	<= 30 %	<= 30 %	
Iron, Fe	>= 62 %	>= 62 %	
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Molybdenum, Mo	<= 2.0 %	<= 2.0 %	

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

Descriptive Properties	Value	Comments
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