

Trimay® Wear Plate T156 Iron-based Steel Overlay

Category : Metal , Ferrous Metal , Carbon Steel

Material Notes:

Overlay Description: T156 is a iron-based steel overlay wear solution with a unique proprietary chemical composition designed for moderate wear environments with moderate impact. T156 is similar to Trimay's T138 with its smooth surface and chemical make-up; however, extra Chromium and Molybdenum makes T156 more resistant to wear than the T138. **Overlay Attributes:** T156 consistently rates between 54 - 56 HRc for hardness, and only loses 0.16 g (+/-0.03) on ASTM G65-04 Procedure A mass loss test. Just like all other Trimay® overlays, T156 has a low drag coefficient of 0.185 to deter material buildup. **Common Application:** T156 use is similar to T138's, but as the environments become more abrasive, so does the need to upgrade to T156. For example, it is cost effective for a haul truck loaded with clay all day to use T138 overlay since the hauler only needs to be protected against carryback and moderate impact (during loading), yet the truck hauling silica sand, rock chips from mine blasting, or raw bitchumen from oilsands, needs a tougher overlay, like the T156, that resists abrasion from jagged materials. Information provided by Trimay®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trimay_Wear-Plate-T156-Iron-based-Steel-Overlay.php

Physical Properties	Metric	English	Comments
Thickness	6000 microns	236 mil	Standard(single pass)
	<= 17000 microns	<= 669 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	54 - 56	54 - 56	
K Factor (Wear Factor)	0.13 - 0.19	0.13 - 0.19	[g], 6000 cycles mass loss; ASTM G65-04 Procedure A

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 3.25 %	<= 3.25 %	
Chromium, Cr	<= 27 %	<= 27 %	
Iron, Fe	>= 66.25 %	>= 66.25 %	
Manganese, Mn	<= 1.5 %	<= 1.5 %	
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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