

## Trimay® Wear Plate TWP170 Flux Cored Weld Wire & Electrode

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

### Material Notes:

Wire Description: TWP70 is a flux cored wire electrode for open-arc welding. Macrocrystalline tungsten carbide, nickel and boron fill a pure nickel tube which can be welded with or without shielding gas. Macrocrystalline tungsten has a higher melting point than that of the molten welding puddle, therefore the matrix is not affected by the degradation of Tungsten carbides throughout the matrix. The result is a stable matrix which is not brittle and can absorb impact without cracking. Key Performance Characteristics: Highest abrasion resistance, Highest impact resistance, Uniform carbide distribution throughout weld deposit, Crackless weld deposit Applications: TWP70 can be applied on ferritic and austenitic steels using a open or closed arc welding procedure, with or without gas shielding. TWP70 is used to overlay and protect areas which are exposed to the most extreme abrasion and/or impact. TWP70 has been used for diamond bit augers, cement factory fan blades, bucket teeth, and crusher rolls. Information provided by Trimay®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Trimay-Wear-Plate-TWP170-Flux-Cored-Weld-Wire-Electrode.php](http://www.lookpolymers.com/polymer_Trimay-Wear-Plate-TWP170-Flux-Cored-Weld-Wire-Electrode.php)

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	48 - 50	48 - 50	Electrodes
	50 - 55	50 - 55	Wire

Component Elements Properties	Metric	English	Comments
Boron, B	<= 5.0 %	<= 5.0 %	
Nickel, Ni	30 - 50 %	30 - 50 %	
WC	48 - 62 %	48 - 62 %	macrocrystalline

Descriptive Properties	Value	Comments
Available Sizes: Electrode	5	[mm]
	6.4	[mm]
Available Sizes: Wire	1.6	[mm], cored wire
	2.4	[mm], cored wire
	2.8	[mm], cored wire
Packaging: Electrode	1	All Sizes- 5kg sleeves
Packaging: Wire	1	All Sizes- 25kg coils

Contact Songhan Plastic Technology Co.,Ltd.

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