

# POSTALLOY® PS-98 (Matrix PS-98)



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## Description

POSTALLOY® PS-98 is a metal cored triple deoxidized Iron based wire, alloyed with Chromium and Tungsten. This primarily used as a matrix alloy product is for the Tungsten Carbide embedding process. Unlike soft mild steel welding wires, which are commonly used in the embedding process, the microstructure of PS-98 is designed to encapsulate and protect the Tungsten Carbide particles from premature erosion. Many of the common embedding wires are solid which require high voltage and amperage setting to achieve a fluid puddle. POSTALLOY® PS-98 is metal cored and develops a spray transfer at very low current levels. This combined with its unique alloy content forms a very fluid weld puddle. This promotes an even dispersion of Tungsten Carbide particles within the weld puddle. These unique properties make it an ideal choice when used with the Tungsten Carbide embedding process.

## Specifications

Product Type: Metal cored triple deoxidized Iron based wire, alloyed with Chromium and Tungsten.  
Deposits are slag free.

Weld Deposit Properties

Hardness (1 Layer): 55 to 60Rc

## POSTALLOY® PS-98 Welding Parameters

Current: DC Reverse Polarity

Diameter	Amps	Volts	l/min	Stick Out
1.2mm	170-220	26-28	16-20	25-32mm

Gas Shielding 98%Argon+2%Oxygen

## Packaging Options

Diameter	Standard Packaging
1.2mm	11.36kg spool

## Tungsten Carbide (WC) Granules:

TALWELD TUNGSTEN CARBIDE GRANULES #16-20

TALWELD TUNGSTEN CARBIDE GRANULES #14-20

TALWELD TUNGSTEN CARBIDE GRANULES #12-20

Wire Diam.	11.4 kg Spool
1.2mm	PHFPS-9812

WC Size	25kg Container
#16-20	DTC1620-1.18x.85
#14-20	DTC1420-1.4x.85
#12-20	DTC1220-1.7x0.85

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