

Postalloy® Ultra-Shred 580 Data Sheet

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Postalloy® Ultra-Shred 580 is a non-cracking martensitic tool steel type alloy with numerous tightly packed carbides for excellent abrasion resistance under high impact. One layer deposits exhibit wear characteristics that would be expected from a chromium carbide hardfacing product. The alloy properties create a crack-free, fracture resistant cutting edge even under high heat conditions created by extreme friction.



Tire Shredder

Specifications

Product Type

Wire: Metal-cored, Gas-shielded
Deposits are slag free

Weld Deposit Properties

Hardness: 57-60 Rc
Maximum overlay: Unlimited with proper procedures
Non-Machinable: Must be ground

Applications

Tire recycling knives
Cutting tools
Shear blades
Hot or cold trim dies

Postalloy® Ultra-Shred 580 Welding Parameters

Current: DC Electrode Positive

Diameter	Amps	Volts	Stick Out
.045" (1.1mm)	125-170	24-30	5/8"-3/4"(15-19mm)
1/16" (1.6mm)	160-300	26-32	3/4"-1"(19-25mm)

Welding Procedure

Gas: 98%/2% Ar/Ox; Preheat: 350-500°F (177-260°C); Maximum Interpass: 700°F (371°C); Post Welding: Slow Cool

Packaging Options

Diameter	Standard Packaging
.045" (1.1mm)	25 lb spool, 50 lb spool
1/16" (1.6mm)	25 lb spool, 50 lb spool

