



ARCtec® W 1035 CP

GENERAL CHARACTERISTICS:

ARCtec® W 1035 CP is a low alloy wire for general build up and overlay applications. ARCtec® W 1035 CP has characteristics similar to that of ARCtec® W 1030 CP with the exception of higher hardness as listed in the mechanical properties of this data sheet. Deposit can be flame cut and has good machinability. ARCtec® W1035 CP requires no external shielding to produce sound deposits and will operate within a wide voltage and amperage range. Voltage tolerances are high enough to permit the use of variable speed wire feeders. ARCtec® W 1035 CP will produce good results consistently when established FCAW buildup procedures are followed.

APPLICATIONS:

ARCtec® W 1035 CP is used for buildup on most weldable steels. Typical applications include build up on: Tractor rails, cable drums, trunnions, mixer blades, steel shafts, gears, rail ends, head hardened and chrome rail components rollers and idlers. May be used in the as welded condition or as preparation for hardsurfacing.

MECHANICAL PROPERTIES:

Typical Hardness
360-400 HB

CHEMICAL COMPOSITION:

This alloy is comprised of the following elements:

C Cr Mo Fe Ti

OPERATING PARAMETERS:

WELDING PROCESS: FCAW

POLARITY: DC Reverse

SHIELDING GAS: Not required

Operating Range		
Diameter	Amps	Volts
.045"(1.2mm)	100-220	18-24
1/16"(1.5mm)	180-240	24-26

STANDARD SIZE AND PACKAGING:

Size			Packaging
.045" 1.20mm	1/16" 1.5mm	5/64" 2.0 mm	15Kg Spool

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