

AI-1579

Specifications

DIN 8555 : MF G-GF-40-G

Description and Applications

AI-1579 is an open arc, alloy cored wire developed primarily for the semi or fully automatic on-site surfacing of cast-iron or steel in applications where there is a combination of heavy impact and abrasion.

The alloy consists of Cr₇C₃ carbides in an austenitic matrix, which results in a deposit, which provides an economical solution for general hardfacing over a wide variety of applications.

AI-1579 has the characteristic of being able to be clad over contaminated surfaces and has an improved deposit efficiency when compared with other wires and electrodes.

Applications include: An excellent alloy for use in other areas such as crushers (jaws, hammers, mantles etc), bucket repair, earthmoving equipment, mill liners, grizzly bars etc.

Typical Weldmetal Analysis

C	Mn	Si	Cr	Fe	Cu	Mo
2.10	1.00	0.50	11.00	Bal	0.55	1.50

Mechanical Properties of Weldmetal

	As Welded
Hardness	52-55 HRc*

*According to operating parameters, base material and number of passes.

Welding Parameters

Diameter (mm)	Coil	Current type	Amps	Stick out (mm)
1.6	25Kg	DC(+)	150-300	30-35

Welding Positions

(1G, 1F) Downhand/flat position, (2F) Horizontal position

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au

