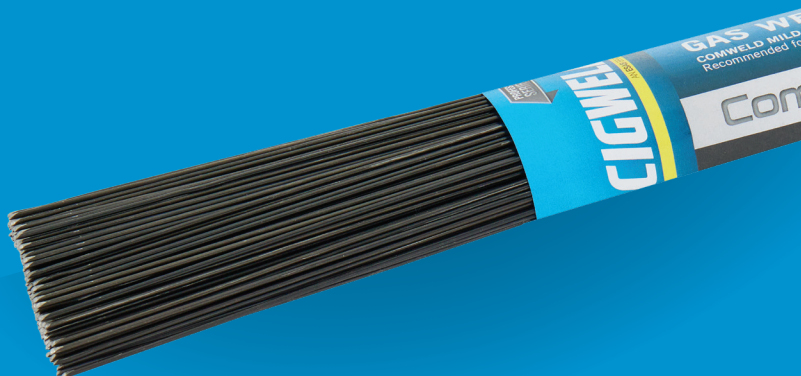


## COMWELD MILD STEEL

### PRODUCT DATA SHEET



### UNCOATED MILD STEEL FILLER ROD



### GAS AND TIG WELDING CONSUMABLES

#### COMWELD MILD STEEL

- Black Annealed, Low Carbon Steel Rod for Oxy-Acetylene Welding.
- Recommended for Gas Welding of Steels and Wrought Irons.
- Not Suitable for Gas Tungsten Arc Welding

#### CLASSIFICATIONS:

|                    |     |
|--------------------|-----|
| AS 1167.2:         | RG  |
| AWS/ASME-SFA A5.2: | R45 |

#### JOINING PROCESS:

Gas (Fusion) Welding only.

#### TYPICAL WELD DEPOSIT PROPERTIES:

|                                 |                            |
|---------------------------------|----------------------------|
| All Weld Metal Tensile Strength | 370 MPa                    |
| Elongation                      | 30%                        |
| Approximate Melting Point       | 1490°C                     |
| Weld Metal Density              | 7.85 gms / cm <sup>3</sup> |

#### TYPICAL ROD ANALYSIS:

|     |         |
|-----|---------|
| C:  | 0.07%   |
| Mn: | 0.50%   |
| Si: | 0.008%  |
| S:  | 0.008%  |
| P:  | 0.011%  |
| Fe: | Balance |

## DESCRIPTION AND APPLICATIONS:

As the name implies, Comweld Mild Steel is an uncoated mild steel filler rod suitable for the oxy-acetylene (fusion) fillet and butt welding of carbon steel and wrought iron.

Comweld Mild Steel produces a free flowing weld pool without the need for an externally applied flux. A neutral to slightly reducing flame setting is recommended for use with Comweld Mild Steel.

Resultant weld deposits are ductile and in the 350 - 400 MPa tensile class. The low deoxidant level of Comweld Mild Steel makes it unsuitable for Gas Tungsten Arc (TIG) welding applications.

## PACKAGING DATA:

| ROD SIZE (MM) | PACK WEIGHT / TYPE | APPROXIMATE RODS / KG | PACK PART NO. |
|---------------|--------------------|-----------------------|---------------|
| 1.6 x 500     | 1kg Handi Pack     | 30                    | 322045        |
| 1.6 x 1000    | 5kg                | 64                    | 321334        |
| 2.4 x 750     | 5kg                | 29                    | 321337        |
| 3.2 x 750     | 5kg                | 16                    | 321339        |