



# VENKATESH INDUSTRIES

- Manufacture of copper coated steel wires for MIG welding.
- Quality Assurance is every one's motto in Venkatesh Industries.
- In House Testing Laboratory to control Quality of the Product
- Venkatesh Industries has state-of-art fully automatic manufacturing facilities which produces high/world class quality product.
- Venkatesh Industries is committed to satisfying customer needs with high quality product & services.
- **Applications**
  - Automobile, Railway, Bridges, Ships, Containers.
  - Construction machinery equipments.
  - Steel furniture & all other welding in general steel fabrications.
- **Unique Features**
  - Controlled cast and Helix for smooth wire feeding.
  - Bright & Smooth copper coating.
  - Close Dimensional tolerance.
- **Benefits**
  - Uninterrupted welding
  - No down time.
  - High productivity
  - Increased life of wires in Storage
  - All Position welding.

We also provide  
**FREE SAMPLE**  
of  
**3KG**



**VENKATESH CO2 MIG WIRE**

# VENKATESH CO2 MIG WIRE

## TECHNICAL SPECIFICATION

Classification - AWS 5.18 ER 70S-6

I. S. : 6419 Grade S4

| CHEMICAL COMPOSITION % |      |      |       |       |      |
|------------------------|------|------|-------|-------|------|
| C                      | Mn   | Si   | S     | P     | Cu   |
| 0.07                   | 1.40 | 0.80 | 0.025 | 0.035 | 0.40 |
| To                     | To   | To   | Max   | Max   | Max  |
| 0.15                   | 1.85 | 1.15 |       |       |      |

| MECHANICAL PROPERTIES                       |                                  |              |                             |        |
|---|----------------------------------|--------------|-----------------------------|--------|
| Ultimate Tensile Strength N/mm <sup>2</sup> | Yield Strength N/mm <sup>2</sup> | Elongation % | Charpy V-notch Impact value |        |
|   |                                  |              | Temp                        | Value  |
| 540   | 428                              | 28           | -20°C                       | 60-90J |

| RECOMMENDED WELDING PARAMETERS |        |        |         |
|--------------------------------|--------|--------|---------|
| WIRE SIZE (MM)                 | 0.80   | 1.00   | 1.20    |
| VOLTAGE (V)                    | 18-24  | 20-30  | 24-35   |
| CURRENT (Amp)                  | 60-185 | 80-220 | 120-280 |
| CO2 GAS (Litres/Min)           | 10-15  | 10-20  | 15-25   |

Quality Certification :

ISO 9001:2015 Certified Company

Approved By Thermax Limited

- **CHARACTERISTICS** - Venkatesh Mig Wire is supplied in Layer winding forms to get High deposition efficiency & deep penetration. Highly efficient welding can be performed.
- **PACKING SPECIFICATION** - Venkatesh mig wires are supplied in plastic spools with bore dia of 50 mm which can be easily mounted on wire feeding equipment. Spools wrapped with Flexofilm then shrink packed to make it air tight & packed in corrugated boxes.



| PACKING DATA          |              |                      |
|-----------------------|--------------|----------------------|
| SIZE (MM)             | WINDING FORM | SPOOL NET WT. (KGS.) |
| 0.80 mm, 1mm, 1.20 mm | Layer        | 15.00                |

Authorised Dealer



## VENKATESH INDUSTRIES

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