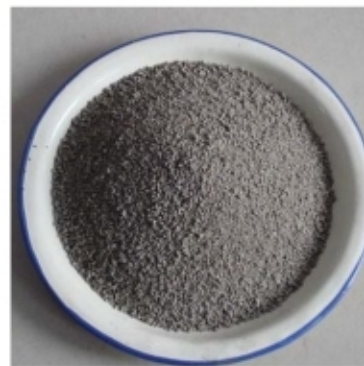
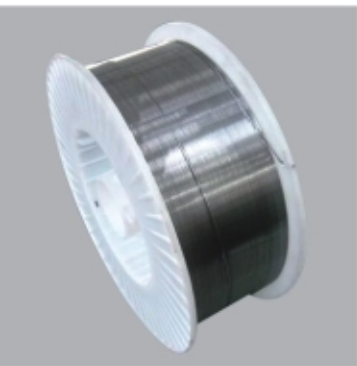




UNIQUE



WELDING PRODUCTS PVT. LTD.



WELDING WIRES



Profile

Unique Welding Products Pvt. Ltd. is one of the leading manufacturers of MIG, SAW and TIG Welding Wires in India. With its operations started in 1987, the company has gained a premier position in the vendor list of leading Automobile Manufacturers/Ancillaries, Engineering Industry and various railway organizations. The brand name **unweld** 50 has secured a significant pan-India position in terms of Quality and Performance.

The company is situated in the industrial town, Vithal Udyognagar, strategically located between two major cities of Gujarat State, Ahmedabad & Vadodara. It is well-connected by road, railways & airports. The nearest port (Mumbai) is about 500 Kms.

Infrastructure

The company is built up on area of 10,000 sq. mtrs. and is capable of producing 12,000 MT of Welding wire per annum.

Its manufacturing unit is well-equipped with in-house Physical & Chemical Laboratories. All incoming materials are tested 100% before being released for production.

Unique Welding Products Pvt. Ltd. is managed by technically Qualified Engineers who have over 35 years of experience in manufacturing of Welding Wires and are assisted by a team of qualified professionals in Production and Quality Assurance Departments.

Quality

Stringent Quality Controls measures are adopted to ensure that welding wires are perfectly manufactured as per International Standards. **ISO Quality Management system** has been implemented as a result of which all products are of World-class Competence. Continuous efforts in the field of research and development are carried out so as to introduce new welding products and offer better services to all our customers.

Special Jumbo Spools and Drums have been developed for specific applications / SPM's. The Steel Bobbins are supplied as per Customer Specification and Schedules. Regular feedback is recorded and necessary corrective actions are taken in case of any complaints / suggestions received. Emphasis on Product & Quality upgradation has been a constant endeavor.

Welding Wires are uniformly and carefully Copper Coated. The coating thickness is maintained at optimum level so that fumes have minimum Copper. This is to protect welder's health and environment. Efforts are now focused to produce Copper Free Welding Wires.

With a view and sheer determination to achieve new heights in the field of Welding Consumables, **UNIQUE WELDING PRODUCTS PVT. LTD.** will always continue to serve customers with best products and services.

MIG / Co₂ Welding Wire

Approval

Research Designs & Standards Organisation (RDSO) - Lucknow

BHEL (Trichy)

Wire composition

| Brand | Conformance | C% | Mn% | Si% | S%(max) | P%(max) | Mo% |
|-------------|------------------|-----------|-------------|-------------|---------|---------|-----------|
| UNIWELD 50 | AWS 5.18 ER70S6 | 0.06-0.15 | 1.40 - 1.85 | 0.80-1.15 | 0.035 | 0.025 | - |
| UNIWELD S3 | AWS 5.18 ER70S3 | 0.06-0.15 | 0.90 - 1.40 | 0.45 - 0.75 | 0.035 | 0.025 | - |
| UNIWELD S4 | AWS 5.18 ER70S4 | 0.07-0.15 | 1.00-1.50 | 0.65-0.85 | 0.035 | 0.025 | - |
| UNIWELD 80G | AWS 5.28 ER80SD2 | 0.07-0.12 | 1.60-2.10 | 0.50-0.80 | 0.025 | 0.025 | 0.40-0.60 |
| UNIWELD 90G | AWS 5.28 ER90SD2 | 0.07-0.12 | 1.60-2.10 | 0.50-0.80 | 0.025 | 0.025 | 0.40-0.60 |

Standard sizes: Wire diameters

| mm | 0.6 | 0.8 | 1.0 | 1.2 | 1.6 | 2.0 | 2.4 | 3.2 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Inches | 0.025 | 0.030 | 0.040 | 0.045 | 0.062 | 0.078 | 0.094 | 0.125 |



Plastic Spools 5kg / 12.5kg / 15kg



Steel Bobbins 200 Kg to 900 Kg



MS / Fiber Drums 200 Kg to 800 Kg



Fiber Drums 100kg to 250 kg

Submerged Arc Welding Wire

| Brand | Conformance | Wire Composition | | | | | |
|---------------|----------------|------------------|-------------|-------------|-----------|-----------|-------------|
| | | C % | Mn % | Si % | S % (max) | P % (max) | Mo % |
| UNIWELD EL8 | AWS 5.17 EL8 | 0.10 max | 0.25 - 0.60 | 0.07 max | 0.030 | 0.030 | - |
| UNIWELD EM12K | AWS 5.17 EM12K | 0.05 - 0.15 | 0.80 - 1.25 | 0.10 - 0.35 | 0.030 | 0.030 | - |
| UNIWELD EH14 | AWS 5.17 EH14 | 0.10 - 0.20 | 1.70 - 2.20 | 0.10 max | 0.030 | 0.030 | - |
| UNIWELD EA2 | AWS 5.23 EA2 | 0.05 - 0.17 | 0.95 - 1.35 | 0.20 max | 0.025 | 0.025 | 0.45 - 0.65 |

Coil
25 Kg to 35 Kg



Standard sizes: Wire diameters

| mm | 1.6 | 2.0 | 2.4 | 3.2 | 4.0 | 4.8 |
|--------|-------|-------|-------|-------|-------|-------|
| Inches | 0.062 | 0.078 | 0.094 | 0.125 | 0.156 | 0.188 |

Drum Pack
200 Kg to 800 Kg



EQ Wire



Flux Cored Arc Welding Wire

Conformance

AWS 5.20 E71 - T1

Approvals

LRS, ABS, DNV, BV

Description

E71 - T1 is a Titania type Flux cored wire for all position welding with Co₂ Gas

Applications

Applications include ship building, pressure vessel welding, heavy structural steel fabrication, etc.

Typical chemical composition of deposited metal

| C % | Mn % | Si % | S% | P% |
|------|------|------|-------|-------|
| 0.05 | 1.35 | 0.45 | 0.009 | 0.008 |

Mechanical properties of deposited metal

| Tensile Strength (Mpa) | Yield Strength (Mpa) | % Elongation | Charpy V Notch Impact |
|------------------------|----------------------|--------------|-----------------------|
| 490 - 660 | 410 min | 22 min | 27J min at -18 C |



Plastic Spools : 15.0 Kg

TIG Welding Wire



Brand: UNIWELD

| CATEGORY | CLASSIFICATION | GRADE |
|-----------------|----------------|------------|
| MILD STEEL | AWS A 5.18 | ER70S2 |
| | | ER70S3 |
| | | ER70S6 |
| | | ER70SG |
| STAINLESS STEEL | AWS A 5.9 | ER304/304L |
| | | ER308/308L |
| | | ER309/309L |
| | | ER316/316L |
| LOW ALLOY STEEL | AWS A 5.28 | ER80SD2 |
| | | ER90SD2 |

Standard Sizes: Wire diameter

| mm | 1.6 | 2.0 | 2.4 | 3.2 | 4.0 |
|--------|------|------|------|-----|------|
| Inches | 1/16 | 5/64 | 3/32 | 1/8 | 5/32 |

STANDARD PACKING
1000mm or 36" long
5 kg or 10lbs plastic tubes

OTHER GRADES, SIZES & PACKING AVAILABLE ON REQUEST

Submerged Arc (SAW) Flux

| BRAND NAME | CLASSIFICATION |
|------------|--|
| UWP -1 | AWS A 5.17 F7A2 EM12K AWS A 5.17 F6A0 EL8 |

| BRAND NAME | CLASSIFICATION |
|------------|--|
| UWP -5 | AWS A 5.17 F7A2 EM12K AWS A 5.17 F7A0 EL8 |

CHARACTERISTICS & APPLICATION:

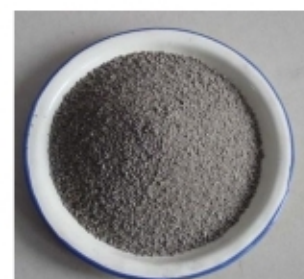
Semi Basic Agglomerated flux for welding structural steel. Weld bead hardly increases Si & Mn, it belongs to metallurgy neutral. It has perfect welding performance, stable arc, good surface, excellent slag removal, high impact toughness at low temperature. Can be used for many applications ranging from boilers to pressure vessel, pipeline and low alloy steel structure.

Grain size: 10 to 60 mesh
Flux type: Fluoride basic
Basicity Index: 1.80

CHARACTERISTICS & APPLICATION:

Acid Agglomerated flux for welding carbon manganese steel, low alloy structure and boiler quality steel. This flux is suitable for high speed welding and provides very good weld bead appearance and excellent slag removal even with narrow groove and fillet welds. The other characteristic of this flux is high resistance to cracking and porosity. Mostly it is applied to double side with single pass weld and fillet welds. As the consumption of flux is very low, it is very economical.

Grain size: 10 to 60 mesh
Flux type: Fluoride basic
Basicity Index: 0.5 to 0.8



STANDARD PACKING
25kg Bag

OTHER GRADES AVAILABLE ON REQUEST



UNIQUE



WELDING PRODUCTS PVT. LTD.

Factory address:

Plot 701/B, Phase IV, GIDC, V U Nagar - 388121
Anand - Gujarat INDIA

Phone: +91 2692 236092 /311500 Fax: +91 2692 236366

Email: sales@uniquewelding.com www.uniquewelding.com

Mumbai Office

Unit No. 306, DILKAP CHAMBERS, (Behind Balaji Telefilms),
Plot No. A/07 Veera Ind. Estate, (Veera Desai Road Extension),
Andheri (W), Mumbai - 400 053, INDIA

Tele/fax: +91-22-26736287, Email: info@uniquewelding.com



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