

# SAFDUAL 206

## TOP FEATURES

- SAFDUAL 206 is a high deposition rate metal cored wire delivering very good impact properties at -40°C. Better tolerance of variable gap and surface conditions in relation to MAG process
- Good side wall wetting, regular bead profile, optimized amount of silicates and reduced spatters.
- Bridging and root passing capabilities with short and pulsed arc.
- Very good weldability with short, pulsed and spray arc. Suitable for robotic applications.

## CLASSIFICATION

|                |                   |
|----------------|-------------------|
| AWS A5.18      | E70C-6M H4        |
| EN ISO 17632-A | T 46 4 M M21 1 H5 |
| EN ISO 17632-B | T494T1-1MA-UH5    |

## CURRENT TYPE

DC+

## WELDING POSITIONS

All positions

## SHIELDING GASES (ACC. EN ISO 14175)

M21 Mixed gas Ar+ 15-25% CO<sub>2</sub>

## APPROVALS

| ABS | BV | CWB | DNV | LRS | TÜV/DB | CE |
|-----|----|-----|-----|-----|--------|----|
| +   | +  | +   | +   | +   | +      | +  |

## CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, ALL WELD METAL

| C    | Mn  | Si  | P      | S      |
|------|-----|-----|--------|--------|
| 0.04 | 1.5 | 0.4 | ≤0.012 | ≤0.020 |

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

|                | Shielding gas | Condition* | Yield strength (MPa) | Tensile strength (MPa) | Elongation (%) | Impact ISO-V (J) -40°C |
|----------------|---------------|------------|----------------------|------------------------|----------------|------------------------|
| Typical values | M21           | AW         | >460                 | 530-680                | ≥27            | ≥90                    |

\* AW = As welded

## PACKAGING AND AVAILABLE SIZES

| Wire diameter (mm) | Packaging    | Weight (kg) | Item number |
|--------------------|--------------|-------------|-------------|
| 1.2                | SPOOL (B300) | 16.0        | W000281630  |

## TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing.  
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